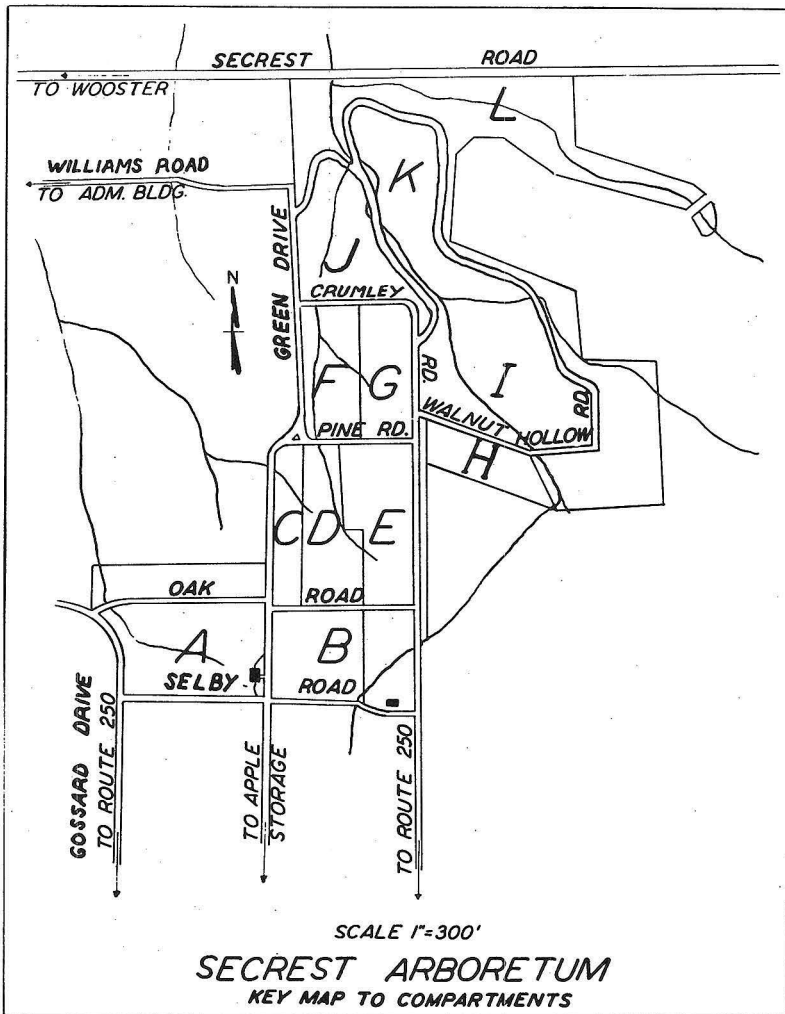


Performance Records of WOODY PLANTS in the Secrest Arboretum



OHIO AGRICULTURAL
EXPERIMENT STATION

Wooster, Ohio



PERFORMANCE RECORDS OF WOODY PLANTS
in the
SECRET ARBORETUM

- - - -

Ohio Agricultural Experiment Station
Wooster, Ohio

John E. Aughanbaugh, Harry R. Muckley, and Oliver D. Diller*

- - - -

This year, 1958, marks the 50th anniversary of the founding of the Secret Arboretum, the well-known sylvan showplace at Ohio's Agricultural Experiment Station. During its half century of development the arboretum has become of far-reaching interest and value to people of all walks of life. It serves for educational, esthetic, reference, and research purposes.

The Arboretum serves Ohioans best, perhaps, as a proving ground for trees and shrubs introduced from distant parts of the world. On trial display over the years could be seen a veritable host of exotic and indigenous woody plants. By 1958 there had been tried nearly 1,300 species, varieties, hybrids and clones, to determine those that are adaptable to our local climate and soils.

Among this country's noted arboreta the Secret Arboretum ranks as unique, by reason of its numerous block plantings of forest trees. Within its 13 compartments are 325 planted forest and ornamental plots, interspersed with choice specimen plants and managed woods of native growth. The late Edmund Secret initiated the planting and cultural studies to solve basic problems then arising in the field of forestry and ornamental horticulture.

During the period from 1912 to 1918 much of the fir and pine planting stock was obtained from the famous Biltmore Estate nursery near Asheville, North Carolina. Other genera and species, especially the spruces and several geographic races of Scotch pine came from European and Scandinavian countries.

The Secret Arboretum is of interest not only for its forest plantings. It also contains some of the finest collections of Taxus, flowering crabapples, junipers, lilacs, and other ornamental trees and shrubs in the country. This phase of the arboretum has been developed by the Department of Horticulture in cooperation with the Department of Forestry. The combination of forestry plots with roadside borders of ornamentals makes the Secret Arboretum an ideal open-air laboratory which embodies utility, beauty and inspiration.

Foresters, nurserymen and horticulturists, also the sportsmen, farmers and others, all may derive practical benefits from those 50 years of experimentation at the Ohio Station. They will find the Arboretum to be a valuable storehouse of information. The plant performance records listed on the pages to follow should be helpful guides to future growers of timber, windbreaks, ornamentals, gamefood bearing plants, or Christmas trees. By choosing species

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known to do well in Ohio, success is more likely to be attained.

But the prospective planter is to regard these records simply as leads. Introduced plants showing promise or failure in the Arboretum would probably develop differently in an unlike habitat. Plant growth is governed mainly by the factors of site and microclimate. Hence, as a basis for comparison, there follows a short account of our local environment.

Local Growth Factors

Approximately 75 acres of rolling terrain are included within the Secrest Arboretum. It covers a fair range of soil moisture conditions, drainage and aspect, at elevations of around 1,150 feet above sea level. The soil type is Wooster silt loam, derived from glacial till potentially high in productivity. Agronomists classify this soil as moderately acid, and permeable to its subsoil.

When the ground is saturated with water, exposed shallowly-rooted trees, particularly the conifers, are most susceptible to windthrow. The 70-mile-an-hour winds of March 22, 1955 caused the worst storm damage in the history of the Arboretum, by toppling-over 212 trees of 26 different species.* The following spring, in April of 1956, another severe gale resulted in a serious loss of trees.

Weather records at the Experiment Station, over a 70-year period, show a mean annual precipitation of 37.8 inches, ordinarily well distributed over the seasons. Snowfall while seldom deep, is sufficiently heavy at times to cause breakage of the trees, and glaze storms such as occurred in 1938 wreak havoc.

Temperature extremes have been - 24°F in 1912 and 105°F in 1918. The average frost-free period of growing-season extends from May 6 to October 9. Sunshine throughout the year totals close to 58 percent of the amount possible.

Plant Classification

Catalogued woody plants have been arranged alphabetically by their genera and species. The scientific names of the forest trees have been listed according to Rehder's Manual of Cultivated Trees and Shrubs**, while the nomenclature and common names of the ornamentals agree with the latest edition of Standardized Plant Names.*** Following are the terms and symbols which classify the plants:

Planted - Year that the stock (seedling or transplant) entered the Arboretum. Often grown from seed in the research nursery nearby.

Location - Block and plot number where planted. See map, also Experiment Station Special Circular 91^{1/}

*Diller, O.D. and Harry R. Muckley, April 1, 1955. Wind Damage in the Secrest Arboretum. Forestry Mimeo. No. 20, Ohio Agricultural Experiment Station, Wooster, Ohio

**Rehder, Alfred, 1951. Manual of Cultivated Trees and Shrubs. The MacMillan Company.

***Kelsey, Harlan P. and William A. Dayton, 1942. Standardized Plant Names, 2nd Edition, J. Horace McFarland Co., Harrisburg, Pennsylvania.

1/ Diller, O. D. and H. R. Muckley, Nov. 1953. Finding List and Guide to the Secrest Arboretum. Special Circular 91, Ohio Agricultural Experiment Station, Wooster, Ohio.

<u>Status:</u>	<u>Number*</u>
A - Planted and now growing in the Arboretum - - - - -	691
F - Arboretum failures, due to:	
F ₁ : wind, snow or ice - - - - -	16
F ₂ : insects - - - - -	9
F ₃ : diseases - - - - -	19
F ₄ : local climatic extremes - - - - -	89
F ₅ : shading, or unknown causes - - - - -	6
FN - Failed in research nursery, so were not outplanted - - - - -	181
R - Removed to develop and improve the Arboretum - - - - -	70
V - Volunteers (usually native) growing in the Arboretum - - - - -	34
Others (see Supplement) - - - - -	169
*Total species, varieties, hybrids and clones tried prior to January 1, 1958 - - - - -	1284

Trees on the more promising forest plots have been measured periodically, and the data posted in a specially prepared ledger. Ordinarily 49 trees were planted per plot. Their growth rate is given as follows:

Age - Number of growing-seasons in the Arboretum.

D.B.H. - Mean diameter of the trees in inches at breast-height (4½ feet above ground).

Ht. - Mean total height of the trees in feet.

Note: For species with no growth data entered, none is available at present.

Woody Plant Catalog

<u>Name of Plant</u>	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Abelia grandiflora Goucher	1916		FN	1918
Goucher Glossy Abelia				
Abies alba	1909	B-1, C-1, C-3	A	1958
Silver fir	1915	F-5	F ₁	1950
Plot F-5				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	1.5	9.7		
17	2.6	16.7		
21	3.2	20.8		
29	4.2	28.8		
	1911	J-42, K-9	A	1958
Abies alba pyramidalis	1916		A	1958
Sentinel silver fir	1953	C-1	A	1958
		F-3		
Abies alba tortuosa	1916	B-1	A	1958
Twisted silver fir				
Abies amabilis	1925		FN	1926
Cascades fir				
Abies balsamea	1925	A-15	A	1958
Balsam fir	1956	B-4	A	1958
	1915	F-6	F ₁	1958

<u>Plot F-6</u>			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	2.2	11.9				
17	3.0	17.9				
29	4.2	28.7				

Abies cephalonica
Greek fir 1918 F-13 A 1958

<u>Plot F-13</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
14	1.7	9.2				
18	3.1	15.0				
26	4.8	24.4	1953	F-3	A	1958

Abies cephalonica apollinis
Apollo fir 1917 F-8 A 1958

<u>Plot F-8</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	-	4.3				
15	1.1	7.6				
19	2.3	12.2				
27	3.7	21.1				

Abies cilicica
Cilician fir 1916 B-1, F-10 A 1958

<u>Plot F-10</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	0.9	7.3				
14	1.9	12.4				
19	3.2	18.9				
27	4.7	30.9				

Abies concolor
white fir 1913 C-3 A 1958
1913 F-4 F₁ 1950

<u>Plot F-4</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	1.3	7.6				
17	2.2	12.1				
21	2.6	16.2				
29	3.4	23.3				

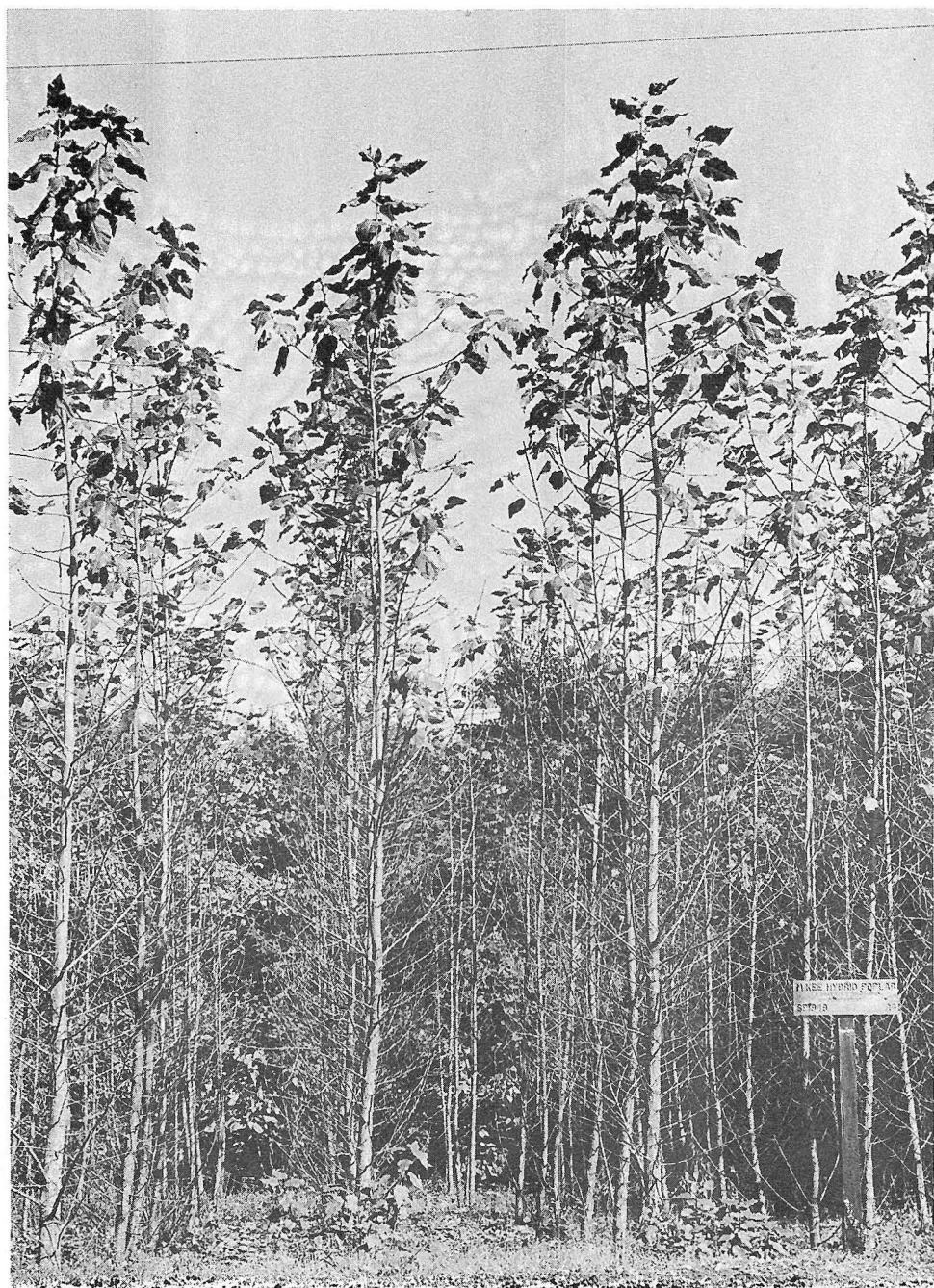
Abies firma
Momi fir 1916 B-1 A 1958
1917 C-1 A 1958
1952 F-3 A 1958
1916 F-11 A 1958

Abies fraseri
Fraser balsam fir 1917 A-28 F₅ 1947

<u>Plot A-28</u>					
Fraser Balsam fir & Douglasfir					
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>F.F.</u>	<u>D.F.</u>	<u>F.F.</u>	<u>D.F.</u>	<u>F.F.</u>	<u>D.F.</u>
12	12	2.3	2.9	13.7	15.9
17	17	2.8	4.4	18.0	24.2
18	18	2.9	4.6	19.2	25.9



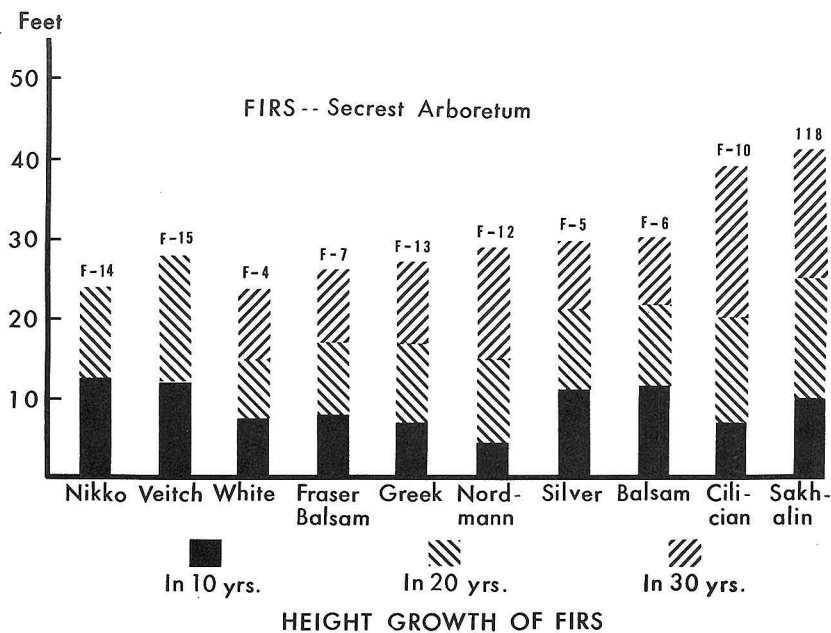
Burr oak-arborvitae, Plot E-40 planted in 1909. Photo taken in May, 1931. Scale—Edmund Secrest. For growth record see page 69.



McKee hybrid poplar, Plot A-4, planted in the spring of 1949 as 8-inch unrooted cuttings. Photo taken in October, 1952. For growth record see page 62.

			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
			1956	B-4	A	1958
			1917	F-7	F ₁	1949
<u>Plot F-7</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	1.0	7.8				
15	2.1	12.9				
19	3.0	17.0				
27	3.7	22.3				
Abies grandis			1917	K-11, K-28	A	1958
Grand fir			1924		FN	1936
Abies holophylla			1937	F-19	A	1958
Manchurian fir			1925	F-20	A	1958
Abies homolepis			1917	B-1	A	1958
Nikko fir			1953	F-3	A	1958
			1925	F-14	A	1958
<u>Plot F-14</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
7	0.4	5.3				
12	1.7	11.4				
Abies koreana			1939	F-11	A	1958
Korean fir			1927	F-19	A	1958
Abies lasiocarpa			1933	F-16	A	1958
Alpine fir						
Abies lasiocarpa arizonica			1916	C-4	A	1958
Corkbark fir						
Abies magnifica			1924		F ₄	1934
Red fir						
Abies mariesi			1928	F-11, F-17	A	1958
Maries fir						
Abies nephrolepis			1925	F-18	A	1958
Khingan fir						
Abies nordmanniana			1916	B-1	A	1958
Nordmann fir			1910	B-2, C-3	A	1958
			1918	F-12	A	1958
<u>Plot F-12</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	-	4.2				
14	1.2	7.9				
18	2.5	12.7				
26	3.7	21.5				
Abies numidica			1924		FN	1926
Algerian fir						
Abies pinsapo			1924		FN	1926
Spanish fir						
Abies procera glauca			1917	C-1	A	1958
Blueleaf noble fir			1953	F-3	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Abies sachalinensis Sakhalin fir	1918		F ₁	1948
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	1.4	8.9		
14	2.8	17.2		
18	3.8	23.9		
26	5.1	32.9		
Abies sibirica Siberian fir	1916		F ₄	1950
Abies veitchii Veitch fir	1916 1952 1925	C-1 F-3 F-15	A A A	1958 1958 1958
<u>Plot F-15</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
7	1.0	7.3		
12	2.7	15.7		
Acer argutum	1937		FN	1939
Acer campestre Hedge maple	1928	C-1, C-11	A	1958
Acer carpinifolium Hornbeam maple	1936		FN	1937
Acer caudatum ukurunduense	1936		FN	1936
Acer cissifolium	1935		FN	1936
Acer crataegifolium Hawthorn maple	1935		FN	1936
Acer diabolicum purpurascens Red devil maple	1942		FN	1945
Acer ginnala Amur maple	1929	C-10	A	1958
Acer glabrum Rocky Mountain maple	1930		FN	1931
Acer griseum Paperbark maple	1930	C-11	A	1958
Acer japonicum filicifolium Fernleaf fullmoon maple	1931		FN	1936
Acer laevigatum	1926		FN	1927
Acer macrophyllum Bigleaf maple	1924	C-11	A	1958
Acer mandshuricum Manchurian maple	1932	C-1	A	1958



One of the largest collections of *Taxus* or yews in the country is found in the Secrest Arboretum.



Strong winds on March 22, 1955 uprooted 212 trees of 26 different species.

Red pine destroyed by snow in the fall of 1936. Damage occurred in the thinned portion of 3 × 3 foot spacing.

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Acer micranthum Pagoda maple	1937		FN	1938
Acer mono Mono maple	1932		FN	1936
Acer mono marmoratum Painted mono maple	1933		FN	1941
Acer negundo Boxelder	1956 1915	D-3 D-3	A A	1958 1958
<u>Plot D-3</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	2.9	20.8		
23	4.5	30.7		
28	5.5	40.2		
Acer negundo interius Inland boxelder	1931	C-11	A	1958
Acer negundo New California New California boxelder	1937	K-3	A	1958
Acer nigrum Black maple	1916	D-4	A	1958
<u>Plot D-4</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	0.9	11.2		
14	2.0	20.0		
20	2.9	26.8		
25	3.3	31.6		
38	7.0	58.0		
Acer nikoense Nikko maple	1935		FN	1936
Acer palmatum Japanese maple	1952	C-3	A	1958
Acer palmatum Atrolinear Bloodvein Japanese maple	1931		F4	1942
Acer palmatum Atropurpureum Bloodleaf Japanese maple	1931	FH*	A	1958
Acer palmatum multifidum Threadleaf Japanese maple	1931	FH*	R	1947
Acer palmatum ornatum Spiderleaf Japanese maple	1931		F4	1936
Acer palmatum sanguineum Scarlet Japanese maple	1931		F4	1949
Acer palmatum Superbum Superb Japanese maple	1928	FH*	A	1958

*Forest Headquarters

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Acer pensylvanicum Striped maple	1955	C-3	A	1958
Acer platanoides Norway maple	1913	D-5	A	1958

Plot D-5

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	3.5	26.1
17	4.4	32.8
23	5.7	39.8
28	6.4	49.0

1909	E-6	A	1958
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Plot E-6

Norway maple & Ponderosa pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>P.P.</u>	<u>N.M.</u>	<u>P.P.</u>	<u>N.M.</u>	<u>P.P.</u>	<u>N.M.</u>
17	10	3.3	1.4	15.9	16.2
23	16	4.6	3.2	24.6	27.7
28	21	5.7	4.2	30.5	34.9
-	28	-	5.5	-	46.0

Acer platanoides columnare Column Norway maple	1930	C-11	A	1958
Acer platanoides schwedleri Schwedler Norway maple	1931	C-10, C-11	A	1958
Acer pseudoplatanus Planetree maple	1916	C-12	A	1958

Plot C-12

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	1.2	10.9
15	2.3	16.1
20	3.3	22.1
25	3.8	26.8
39	7.6	41.6

Acer pseudo-sieboldianum Purplebloom maple	1928	C-3	A	1958
Acer rubrum Red maple	1910 1915	A-21 C-14	A A	1958 1958

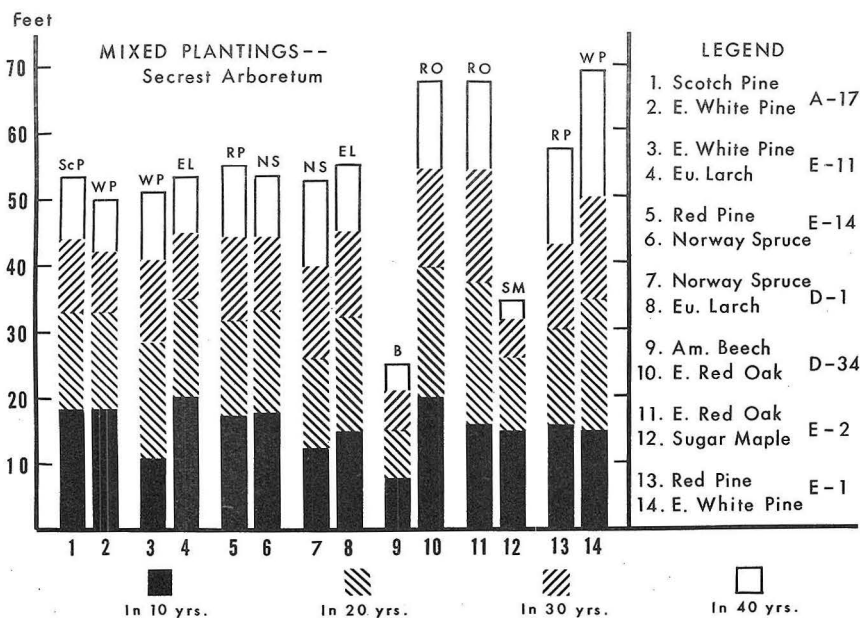
Plot C-14

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.5	18.2
17	3.4	25.5
23	4.4	30.2
28	4.8	33.4
42	9.5	56.4

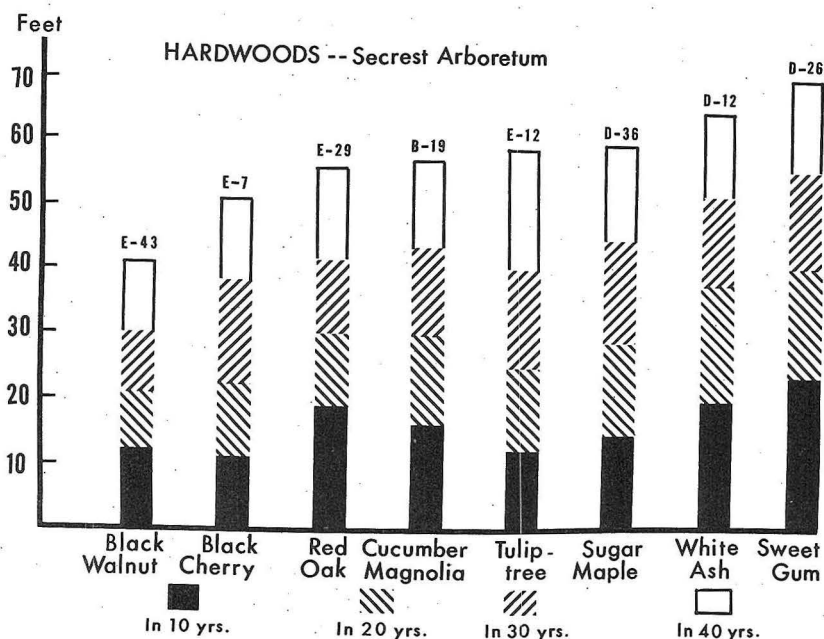
Acer rufinerve Redvein maple	1937	C-1	A	1958
Acer saccharinum Silver maple	1914	C-13	A	1958



On Forestry Day at the Ohio Agricultural Experiment Station, June 13, 1958 Plot E-2 was dedicated in honor of F. W. Dean, Extension Forester of Ohio since 1925. For growth record of this plot see page 9.



HEIGHT GROWTH OF MIXED PLANTINGS



HEIGHT GROWTH OF HARDWOODS

			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot C-13</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	2.6	21.1				
16	3.1	27.1				
22	3.4	35.8				
27	3.3	41.7				
41	12.8	66.4				
Acer saccharum Sugar maple						
			1910	D-2	A	1958
<u>Plot D-2</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	2.2	20.3				
17	3.2	29.1				
23	4.2	36.1				
28	4.8	42.8				
			1916	D-36	A	1958
<u>Plot D-36</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	1.0	12.1				
16	2.1	21.5				
22	3.2	32.0				
27	3.8	40.8				
41	6.4	58.2				
			1918	E-2	A	1958
<u>Plot E-2</u>						
Sugar maple & red oak						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
<u>S.M.</u> <u>R.O.</u>	<u>S.M.</u> <u>R.O.</u>	<u>S.M.</u> <u>R.O.</u>				
10 10	1.6 2.0	15.0 15.7				
14 14	2.1 2.8	21.1 24.1				
20 20	2.8 4.1	24.8 36.5				
24 24	2.9 5.7	30.4 46.2				
39 39	3.7 8.0	33.4 64.7				
			1928	D-33, E-8	A	1958
<u>Plot E-8</u>						
Sugar maple & sweet gum						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
<u>S.M.</u> <u>S.G.</u>	<u>S.M.</u> <u>S.G.</u>	<u>S.M.</u> <u>S.G.</u>				
29 29	1.7 6.1	19.6 44.8				
			1954	H-4	A	1958
Acer spicatum Mountain maple						
			1955	C-3	A	1958
Acer tataricum Tatarian maple						
			1929	C-11	A	1958
Acer triflorum Threeflower maple						
			1928 1930	C-1 C-1	A A	1958 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Aesculus californica California buckeye	1927		F ₄	1930
Aesculus glabra Ohio buckeye	1917	B-16	A	1958
<u>Plot B-16</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	1.0	8.1		
16	2.0	13.0		
21	2.6	16.0		
26	2.8	18.0		
40	6.6	33.0		
Aesculus hippocastanum Common horsechestnut	1916	B-17	A	1958
<u>Plot B-17</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	1.3	8.6		
16	1.9	12.0		
21	2.6	15.1		
26	3.0	19.7		
Aesculus octandra Yellow buckeye	1917	B-15	A	1958
<u>Plot B-15</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	1.9	12.5		
15	3.1	20.8		
20	3.9	25.2		
25	4.7	33.7		
36	6.9	43.5		
39	7.9	44.9		
Allanhus altissima Treeofheaven allanhus	1916 1956	C-6 E-15	A A	1958 1958
Alnus glutinosa European alder	1956	K-28	A	1958
Alnus hirsuta Manchurian alder	1933	K-3	A	1958
Alnus hirsuta sibirica	1928	B-30	A	1958
Alnus japonica Japanese alder	1933		FN	1934
Alnus rubra Red alder	1928		FN	1933
Alnus rugosa Hazel alder		M-7	V	1958
Amelanchier canadensis Shadblow serviceberry		I, K	V	1958
Amelanchier florida Pacific serviceberry	1931		FN	1932

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Amelanchier oblongifolia Thicket serviceberry	1934		FN	1935
Armodendron connolyi	1928		FN	1929
Ampelopsis aconitifolia Monkshoodvine	1923		F ₄	1929
Anthemis sancti-johannis St. Johns Camomile	1937		FN	1937
Aphananthe aspersa Ladysmantle	1930		FN	1931
Aralia spinosa Devils-walkingstick		D-10, D-35 E-5, G-6	V	1958
Araucaria araucana Monkeypuzzle Araucaria	1933		FN	1934
Arctostaphylos uva-ursi Bearberry	1927		F ₄	1932
Aronia melanocarpa Black chokeberry	1933		FN	1934
Arthropytum haloxylon	1928		FN	1929
Asimina triloba Common pawpaw	1957	K-3	A	1958
Berberis brachypoda Yellowspike barberry	1932		FN	1932
Berberis buxifolia Magellan barberry	1931		F ₄	1934
Berberis julianae Wintergreen barberry	1930		F ₄	1936
Berberis polreti Poiret barberry	1932		FN	1932
Berberis thunbergi Japanese barberry	1942	A-10, A-11, C-5, E-9	A V	1958 1958
Berberis thunbergi atropurpurea Redleaf Japanese barberry	1957	A-2	A	1958
Berberis verna Verna barberry	1930		FN	1930
Berberis verruculosa Warty barberry	1931		F ₄	1934
Berberis wilsonae Wilson barberry	1928		FN	1929
Berchemia scandens Alabama supplejack	1931		FN	1932
Betula atrata	1942		FN	1945

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Betula chinensis Chinese birch	1942		FN	1945
Betula costata	1934		FN	1934
Betula davurica Dahurian birch	1927		F ₂	1942
Betula fruticosa Altai birch	1929		FN	1932
Betula lenta Sweet birch	1913	C-5, J-7	A	1958
Betula lutea Yellow birch	1913	C-8	A	1958

Plot C-8

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	1.9	19.5
17	2.4	24.4
23	3.0	27.4
28	3.5	32.1
42	4.1	41.3

Betula medwediewi	1923		FN	1923
Betula nigra River birch	1912	C-9	A	1958

Plot C-9

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.6	21.0
16	3.5	27.6
22	4.8	33.3
27	5.7	39.9
41	9.6	58.4

Betula papyrifera Paper birch	1916	C-5	A	1958
Betula pendula European white birch	1930 1921 1917 1913	G-19 J-7, K-16 K-21 C-7	A A A A	1958 1958 1958 1958

Plot C-7

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.7	24.2
17	3.7	32.3
23	4.9	37.8
28	5.2	41.6
42	7.8	47.2

Betula platyphylla Asian white birch	1929		F ₂	1942
Betula platyphylla japonica Japanese white birch	1929		F ₂	1941
Betula platyphylla mandshurica Manchu white birch	1930		FN	1930

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Betula platyphylla szechuanica Szechwan white birch	1935		F2	1941
Betula populifolia Gray birch	1925	K-19	A	1958
Betula schmidtii Schmidt's birch	1930		F2	1935
Buddleia alternifolia Fountain butterflybush	1933		FN	1933
Buddleia forrestii Forrest butterflybush	1924		FN	1924
Buddleia japonica Japanese butterflybush	1923		F4	1928
Buxus harlandii Harlands box	1936		F4	1940
Buxus microphylla Littleleaf box	1931	A-1	A	1958
Buxus sempervirens Common box	1923	A-2	A	1958
Buxus sempervirens rotundifolia Roundleaf box	1930	A-1	A	1958
Buxus sempervirens suffruticosa Truedwarf box	1927	A-1	A	1958
Callicarpa dichotoma Purple beautyberry	1931	A-2	A	1958
Calluna vulgaris Scotch heather	1931		FN	1934
Calycanthus floridus Common sweetshrub	1955	A-1	A	1958
Carpinus betulus European hornbeam	1942		R	1948
Carpinus betulus zeyheri Zeyher European hornbeam	1942		R	1948
Carpinus caroliniana American hornbeam		I	V	1958
Carpinus turczaninovi	1933		FN	1934
Carya cordiformis Bitternut hickory	1917	E-41, H-10	A	1958
Plot H-10				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
21	2.3	20.7		
26	3.1	27.0		
Carya glabra Pignut hickory	1916	E-51, H-11	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot H-11</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
41	6.0	48.5		
Carya laciniola Shellbark hickory	1916	E-44	A	1958
<u>Plot E-44</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
16	1.2	9.9		
22	2.1	15.1		
27	2.6	20.5		
41	5.8	34.4		
Carya ovata Shagbark hickory	1916	E-4	A	1958
<u>Plot E-4</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	1.8	16.1		
28	2.1	19.7		
Shagbark hickory & hemlock				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
<u>S.H.</u>	<u>H.</u>	<u>S.H.</u>	<u>H.</u>	<u>S.H.</u>
22	9	1.8	0.7	17.9
26	15	2.3	1.7	24.4
41	28	5.7	3.5	53.1
Carya pecan Pecan hickory	1916	E-48	A	1958
<u>Plot E-48</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	1.8	13.7		
27	2.2	17.6		
Carya tomentosa Mockernut hickory		H-1	V	1958
Caryopteris incana Common bluebeard	1932		FN	1934
Castanea blaringhemii paragon	1912		F4	1918
Castanea burbanki Burbank chestnut	1937		F3	1954
Castanea crenata Japanese chestnut	1931 1943	H-10	F3 A3	1954 1958
Castanea dentata American chestnut	1909	I	F3 V	1933 1938
Castanea mollissima Chinese chestnut	1928	H-1	A	1958
Castanea mollissima hawk Hawk Chinese chestnut	1954	D-11	A	1958
Castanea mollissima Kuling	1953		F4	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Castanea mollissima Meiling	1953		F ₄	1958
Castanea mollissima Nanking	1953		F ₄	1958
Castanea pumila Allegheny chinkapin	1926		F ₄	1934
Catalpa bignonoides Southern catalpa	1917	D-19	R	1958
<u>Plot D-19</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	6.6	29.3		
Catalpa bungei Manchurian catalpa	1923		F ₄	1942
Catalpa hybrida Teas catalpa	1918	D-20	R	1958
<u>Plot D-20</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
21	5.2	29.3		
Catalpa ovata Chinese catalpa	1917	D-17	R	1958
<u>Plot D-17</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	6.6	29.3		
Catalpa speciosa Northern catalpa	1903 1917	A-1, A-2 D-18	A R	1958 1958
<u>Plot D-18</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	6.7	41.4		
Cedrus atlantica Atlas cedar	1952 1929	M-3	A F ₅	1958 1939
Cedrus atlantica argentea Silver Atlas cedar	1924		FN	1925
Cedrus deodara Deodar cedar	1958	D-55	A	1958
Cedrus libani Cedar-of-Lebanon	1958	G-30	A	1958
Celastrus flagellaris Korean bittersweet	1929		F ₄	1936
Celastrus rosthorniana	1930		FN	1931
Celastrus scandens American bittersweet		G-4, G-5, G-7, G-8	V	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Celastrus sinensis Chinese bittersweet	1929		F ₄	1934
Celtis australis European hackberry	1933		F ₄	1939
Celtis occidentalis Common hackberry	1918	D-27	A	1958
<u>Plot D-27</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	0.9	9.0		
14	1.5	15.1		
20	2.0	19.3		
25	2.1	20.8		
Celtis sinensis Chinese hackberry	1924		F ₄	1936
Cephalanthus occidentalis Common buttonbush	1935	K-3	A	1958
Cephalotaxus fortunei Chinese plumyew	1929		F ₄	1947
Cephalotaxus harringtonia drupacea	1942		F ₄	1945
Cephalotaxus harringtonia fastigiata	1942		F ₄	1946
Ceratostigma willmottianum Willmott ceratostigma	1930		FN	1931
Cercidiphyllum japonicum Katsuratree	1925	J-7	A	1958
Cercis canadensis Eastern redbud	1916	J-7, J-37	A	1958
Cercis chinensis Chinese redbud	1924	J-37	A	1958
Chaenomeles japonica Japanese floweringquince	1927	H-1	A	1958
Chaenomeles lagenaria Common floweringquince	1942	A-10	A	1958
Chaenomeles lagenaria Moerloosi Pinkstripe common floweringquince	1956	B-21	A	1958
Chaenomeles lagenaria umbilicata	1956	B-21	A	1958
Chaenomeles sinensis Chinese floweringquince	1933	H-1	A	1958
Chaenomeles superba	1949	B-21	A	1958
Chamaecyparis lawsoniana Lawson falsecypress	1918	C-4	A	1958
Chamaecyparis lawsoniana allumi Scarab Lawson falsecypress	1951 1921	A-15 C-4	A A	1958 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Chamaecyparis lawsoniana argentea Silver Lawson falsecypress	1932	C-4	A	1958
Chamaecyparis lawsoniana fletcheri Fletcher Lawson falsecypress	1929		FN	1930
Chamaecyparis lawsoniana fraseri Fraser Lawson falsecypress	1951 1929	A-15 C-4	A A	1958 1958
Chamaecyparis lawsoniana glauca Steel Lawson falsecypress	1932	C-4	A	1958
Chamaecyparis obtusa compacta Compact slender Hinoki falsecypress	1929		F4	1940
Chamaecyparis obtusa crippsi Cripps Hinoki falsecypress	1917		F1	1952
Chamaecyparis obtusa erecta Column Hinoki falsecypress	1924		F4	1936
Chamaecyparis obtusa ericoides Sanders Hinoki falsecypress	1932		F4	1940
Chamaecyparis obtusa fillicoides Fernspray Hinoki falsecypress	1929		FN	1930
Chamaecyparis obtusa gracilis Slender Hinoki falsecypress	1917	C-1	A	1958
Chamaecyparis obtusa magnifica Great Hinoki falsecypress	1924	C-3	A	1958
Chamaecyparis obtusa nana Dwarf Hinoki falsecypress	1909	C-1	A	1958
Chamaecyparis obtusa nova	1924		F4	1936
Chamaecyparis pisifera Sawara falsecypress	1917	C-1, C-4	A	1958
Chamaecyparis pisifera aurea Golden Sawara falsecypress	1951 1928	A-15 C-4	A A	1958 1958
Chamaecyparis pisifera filifera Thread Sawara falsecypress	1917	C-1, C-3	A	1958
Chamaecyparis pisifera filifera aurea Yellowthread Sawara falsecypress	1951 1924	A-15 C-1	A A	1958 1958
Chamaecyparis pisifera plumosa Plume Sawara falsecypress	1951 1917	A-15 C-1, C-3, C-4	A A	1958 1958
Chamaecyparis pisifera plumosa aurea Goldplume Sawara falsecypress	1951 1917	A-15 C-3, C-4	A A	1958 1958
Chamaecyparis pisifera plumosa argentea Silverplume Sawara falsecypress	1924		F1	1949
Chamaecyparis pisifera plumosa flavescens Yellowplume Sawara falsecypress	1924		F1	1949

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Chamaecyparis pisifera squarrosa	1951	A-15	A	1958
Moss Sawara falsecypress	1917	C-1	A	1958
Chamaecyparis thyoides				
Whitecedar falsecypress	1950	D-37	A	1958
Chamaecyparis thyoides andelyensis	1942	A-15	A	1958
Andely whitecedar falsecypress	1914	C-3	A	1958
Chilopsis linearis				
Desertwillow	1933		FN	1933
Chionanthus retusus				
Chinese fringetree	1923		FN	1923
Chionanthus virginicus				
White fringetree	1952	A-1	A	1958
Cladrastis lutea				
American yellowwood	1917	J-37	A	1958
Cladrastis sinensis				
Chinese yellowwood	1930		F ₄	1942
Clematis virginiana				
Virginsbower	1932		F ₄	1934
Clethra alnifolia				
Summersweet Clethra	1930	A-1	A	1958
Cornus alba				
Tatarian dogwood	1948	H-10	A	1958
Cornus alba gouchaultii				
Mottled Tatarian dogwood	1930		F ₄	1936
Cornus alba sibirica				
Siberian dogwood	1956	H-10, K-131	A	1958
Cornus alternifolia				
Pagoda dogwood		G-5, K-1	V	1958
Cornus amomum				
Silky dogwood	1931	H-10	A	1958
Cornus asperifolia				
Roughleaf dogwood	1915	K-4, K-5	A	1958
Cornus controversa				
Giant dogwood	1931	H-10	A	1958
Cornus coreana				
Korean dogwood	1929	H-10	A	1958
Cornus florida				
Flowering dogwood	1929	E-27, E-28	A	1958
	1927	E-29, E-30	A	1958
		H-10		
Cornus florida pendula				
Weeping flowering dogwood	1933		FN	1933
Cornus florida rubra				
Redflowering flowering dogwood	1914	A-9	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Cornus florida weicht Varileaf flowering dogwood	1932		F ₄	1936
Cornus kousa Kousa dogwood	1924	H-10	A	1958
Cornus kousa chinensis Chinese Kousa dogwood	1930		F ₄	1936
Cornus macrophylla Largeleaf dogwood	1940	H-1	A	1958
Cornus mas Cornellancherry dogwood	1916	A-8	A	1958
Cornus obliqua Pale dogwood	1932		F ₄	1936
Cornus officinalis Japanesecornel dogwood	1929	H-10	A	1958
Cornus racemosa Gray dogwood	1930 1917	H-10 J-37	A A	1958 1958
Cornus sanguinea Bloodtwig dogwood	1927	H-10	A	1958
Cornus stolonifera flaviramea Yellowtwig Redosier dogwood	1929		F ₃	1947
Corylus americana American filbert	1930	L-5 I, K	A V	1958 1958
Corylus avellana aurea Golden European filbert	1933	H-1	A	1958
Corylus avellana fusco-rubra	1933	H-1	A	1958
Corylus colurna Turkish filbert	1925	J-7	A	1958
Corylus heterophylla Siberian filbert	1927		F ₄	1936
Corylus maxima Giant filbert	1930	K-3	A	1958
Cotinus coggygria Common smoketree	1930	J-7	A	1958
Cotoneaster acutifolia Peking cotoneaster	1928 1931	A-1 A-1	A A	1958 1958
Cotoneaster acutifolia villosula Hairy Peking cotoneaster	1930		F ₄	1939
Cotoneaster apiculata Cranberry cotoneaster	1956	A-1	A	1958
Cotoneaster bullata Hollyberry cotoneaster	1928	A-1	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Cotoneaster buxifolia vellaea	1928		F ₂	1931
Cotoneaster dammeri radicans Littleleaf bearberry cotoneaster	1925		FN	1925
Cotoneaster dielsiana Dieis cotoneaster	1927		FN	1931
Cotoneaster divaricata Spreading cotoneaster	1917	A-1	A	1958
Cotoneaster foveolata Glossy cotoneaster	1929		F ₂	1940
Cotoneaster franchetii Franchet cotoneaster	1931		F ₄	1936
Cotoneaster frigida Himalayan cotoneaster	1923		FN	1925
Cotoneaster harroviana Harrow cotoneaster	1936		FN	1936
Cotoneaster henryana Henry cotoneaster	1931		FN	1934
Cotoneaster horizontalis Rock cotoneaster	1926		F ₂	1940
Cotoneaster hupehensis Hupeh cotoneaster	1930	A-1	A	1958
Cotoneaster integerrima European cotoneaster	1928	A-1	A	1958
Cotoneaster lactea	1928		FN	1931
Cotoneaster lucida Hedge cotoneaster	1928		F ₄	1934
Cotoneaster microphylla Rockspray cotoneaster	1929		F ₄	1934
Cotoneaster microphylla thymifolia Thyme rockspray cotoneaster	1924		FN	1925
Cotoneaster moupinensis Moupin cotoneaster	1932		FN	1933
Cotoneaster multiflora	1923		FN	1925
Cotoneaster nitens Pinkblush cotoneaster	1931	A-1	A	1958
Cotoneaster racemiflora soongoricæ Sungari redbead cotoneaster	1956	A-1	A	1958
Cotoneaster rotundifolia Redbox cotoneaster	1929		FN	1930
Cotoneaster salicifolia Willowleaf cotoneaster	1927		FN	1927

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Cotoneaster salicifolia floccosa Hardy willowleaf cotoneaster	1927		FN	1927
Cotoneaster simonsi Simons cotoneaster	1928		F ₄	1934
Cotoneaster zabeli Cherryberry cotoneaster	1954	A-1	A	1958
Cotoneaster zabeli miniata Little cherryberry cotoneaster	1931		FN	1934
Crataegus coccinioides Kansas hawthorn	1917	B-21	A	1958
Crataegus crusgalli Cockspur hawthorn		K	V	1958
Crataegus lauta Franklin hawthorn	1937		FN	1937
Crataegus lavaliei Lavalle hawthorn	1927		F ₄	1932
Crataegus oxyacantha English hawthorn	1930	J-35	A	1958
Crataegus phaenopyrum Washington hawthorn	1929	J-35	A	1958
Crataegus pinnatifida Chinese hawthorn	1916	B-21	A	1958
Cryptomeria japonica Cryptomeria	1917	J-37	A	1958
Cryptomeria japonica lobbi Lobb cryptomeria	1928 1917	B-1 C-1	A A	1958 1958
Cunninghamia lanceolata Common Chinafir	1945	C-4, G-30	A	1958
Cupressus arizonica Arizona cypress	1931		FN	1931
Cupressus duclouxiana corneyana Corney Bhutan cypress	1929		FN	1929
Cupressus funebris Mourning cypress	1929		FN	1929
Cupressus goveniana Goven cypress	1929		FN	1934
Cupressus lusitanica Mexican cypress	1930		FN	1931
Cupressus lusitanica benthami Bentham Mexican cypress	1929		FN	1929
Cupressus macrocarpa Monterey cypress	1930		FN	1930
Cupressus sempervirens Italian cypress	1923		FN	1923

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Cydonia oblonga Common quince	1929		F ₄	1936
Cytisus scoparius Scotch broom	1933		FN	1933
Davidia involucrata Dovetree	1931		FN	1934
Desmanthus illinoensis Illinois bundleflower	1931		FN	1934
Deutzia longifolia Longleaf deutzia	1926		F ₄	1934
Deutzia monbeigi Monbeig deutzia	1930		F ₄	1934
Deutzia parviflora Mongolian deutzia	1934		FN	1936
Deutzia scabra Fuzzy deutzia	1930		FN	1932
Deutzia scabra candidissima	1930		FN	1931
Deutzia schneideriana laxiflora	1923		F ₄	1934
Diospyros kaki Kaki persimmon	1931		FN	1932
Diospyros lotus Dateplum persimmon	1931		FN	1932
Diospyros virginiana Common persimmon	1952 1917	A-1 B-21	A A	1958 1958
Dirca palustris Atlantic leatherwood	1932		FN	1932
Elaeagnus angustifolia Russianolive	1931		F ₄	1933
Elaeagnus multiflora Cherry elaeagnus	1929		F ₄	1933
Elaeagnus pungens Thorny elaeagnus	1931		FN	1933
Erica carnea Spring heath	1932		FN	1934
Euonymus alatus Winged euonymus	1952	A-1	A	1958
Euonymus alatus compactus Dwarf Winged euonymus	1952	A-1	A	1958
Euonymus atropurpureus Eastern wahoo	1917	J-7	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Euonymus bungeanus Winterberry euonymus	1929		R	1940
Euonymus fortunei Wintercreeper euonymus	1915	A-1	A	1958
Euonymus fortunei carrierei Glossy wintercreeper euonymus	1930	A-1	A	1958
Euonymus fortunei coloratus Purpleleaf wintercreeper euonymus	1931	J-45	A	1958
Euonymus fortunei vegetus Bigleaf wintercreeper euonymus	1930	A-2	A	1958
Euonymus japonicus Evergreen euonymus	1928		FN	1929
Euonymus klautschovicus Spreading euonymus	1948	A-1	A	1958
Euonymus maackii Maack euonymus	1929		R	1942
Euonymus obovatus Running euonymus	1929	J-37	A	1958
Euonymus sachalinensis Sakhalin euonymus	1934		FN	1935
Euonymus yedoensis Yeddo euonymus	1939		F2	1940
Fagus grandifolia American beech	1916	D-34	A	1958

Plot D-34

Beech & eastern red oak

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
B.	R.O.	B.	R.O.	B.	R.O.
10	11	0.8	2.3	9.7	21.6
16	17	0.9	2.5	11.0	34.2
21	22	1.2	4.0	15.5	41.9
26	27	1.4	5.5	18.9	48.5
-	37	-	7.5	-	60.0
40	41	2.6	9.1	25.4	72.7

1916 E-38 A 1958

Plot E-38

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
16	2.6	22.7
22	2.4	20.7
27	3.9	38.7

1911 K-27 A 1958

Fagus sylvatica European beech	1910	B-18, K-22	A	1958
	1916	E-37	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-37</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
16	2.7	18.8		
22	3.6	27.0		
27	4.1	32.8		
41	7.0	55.4		
Fagus sylvatica cristata Crested European beech	1933		FN	1934
Fagus sylvatica laciniata Cutleaf European beech	1929		FN	1931
Fagus sylvatica tricolor	1933		FN	1933
Firmiana simplex Chinese parasol tree	1931		FN	1934
Forsythia intermedia spectabilis Showy border forsythia	1952	A-2	A	1958
Franklinia alatamaha Franklinia	1950		Fl	1955
Fraxinus americana White ash	1922	B-6	A	1958

<u>Plot B-6</u>				
Eastern red oak & white ash				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
<u>R.O.</u> <u>W.A.</u>	<u>R.O.</u> <u>W.A.</u>	<u>R.O.</u> <u>W.A.</u>		
11 11	1.7 2.2	16.8 18.9		
15 15	2.6 3.0	25.5 25.7		
21 21	3.3 4.1	31.9 34.6		
	1916	D-12	A	1958

<u>Plot D-12</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	2.5	22.0		
16	4.0	30.3		
22	5.4	39.3		
37	6.5	-		
41	8.1	65.1		
White ash & hemlock				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
<u>W.A.</u> <u>H.</u>	<u>W.A.</u> <u>H.</u>	<u>W.A.</u> <u>H.</u>		
41 25	8.1 2.8	65.1 20.5		
	1951	M-7	A	1958
Fraxinus biltmoreana Biltmore ash	1916	#335	R	1953

<u>Plot #335</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
16	2.6	21.0
22	3.9	29.5
28	4.7	36.3

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Fraxinus chinensis rynchophylla Korean ash	1928	#332	R	1953
<u>Plot #332</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	1.3	17.1		
16	2.0	25.3		
Fraxinus cuspidata Fragrant ash	1914		FN	1917
Fraxinus excelsior European ash	1916	#336	R	1953
<u>Plot #336</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
15	3.6	29.1		
21	4.8	37.2		
27	5.7	42.9		
Fraxinus longicuspis Japanese ash	1932		F ₄	1932
Fraxinus mandshurica Manchurian ash	1927		R	1951
Fraxinus nigra Black ash	1919	#316	R	1953
<u>Plot #316</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
13	2.0	18.7		
19	2.7	24.1		
27	3.5	33.6		
Fraxinus oregona Oregon ash	1915		F	1915
Fraxinus pennsylvanica Red ash	1917	#322	R	1953
<u>Plot #322</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
14	2.1	18.1		
20	3.0	26.5		
26	3.8	33.5		
Fraxinus pennsylvanica lanceolata Green ash	1904 1909	A-21 D-15	A R	1958 1929
<u>Plot D-15</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
19	5.5	31.7		
	1916	#333	R	1953
<u>Plot #333</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
16	3.2	25.3		
22	4.6	36.8		
28	5.8	44.7		

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Fraxinus quadrangulata Blue ash	1917	#321	R	1953

Plot #321

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
14	1.8	15.0
20	2.5	20.0
26	3.4	28.2

Genista tinctoria Common woadwaxen	1925		F4	1944
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Ginkgo biloba Ginkgo	1911	C-2	A	1958
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Gleditsia aquatica Waterlocust	1932		F4	1936
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Gleditsia heterophylla Fernleaf honeylocust	1927		F4	1936
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Gleditsia texana Texas honeylocust	1932		F4	1936
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Gleditsia triacanthos Common honeylocust	1919	B-27	A	1958
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Plot B-27

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
9	2.0	19.0
14	2.4	25.5
19	2.2	28.2
24	3.5	34.6

Gleditsia triacanthos inermis Thornless common honeylocust	1919	B-27	A	1958
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Plot B-27

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
9	1.3	14.1
14	1.9	19.5
19	2.3	25.6
24	2.7	27.4

	H-2, K-3	A	1958
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Grewia biloba parviflora	1929		FN	1931
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Gymnocladus dioica Kentucky coffeetree	1944	A-31	A	1958
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Halesia carolina Carolina silverbell	1932		F4	1933
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Halesia monticola Mountain silverbell	1919	B-14	A	1958
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Hamamelis japonica Japanese witchhazel	1940	H-1	A	1958
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Hamamelis mollis Chinese witchhazel	1940	H-1	A	1958
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	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Hamamelis virginiana Common witchhazel	1930	K L-4	V A	1958 1958
Hedera helix English ivy	1933	K-1	A	1958
Hedera helix arborescens Bush English ivy	1934		FN	1934
Hedera helix baltica Baltic English ivy	1929	K-26	A	1958
Hedera helix digitata Fingerleaf English ivy	1932		F4	1934
Hibiscus syriacus Shrubalthea	1931	A-1	A	1958
Hibiscus syriacus coelestis	1931		F4	1936
Hippophae rhamnoides Common seabuckthorn	1955	K-26	A	1958
Hydrangea arborescens Smooth hydrangea		J, K	V	1958
Hydrangea bretschneideri Shaggy hydrangea	1926	H-10	A	1958
Hypericum kalmianum Kalm St. Johnswort	1956	A-2	A	1958
Ilex aquifolium alcornutus	1952	H-2	A	1958
Ilex aquifolium heterophylla Cutleaf English holly	1952	H-2	A	1958
Ilex aquifolium integerifolia	1952		F4	1954
Ilex aquifolium lichtenthalii Lichtenthal English holly	1952	H-2	A	1958
Ilex aquifolium pyramidalis compacta Compact pyramidal English holly	1952	H-2	A	1958
Ilex aquifolium scotica Scotch English holly	1952	H-2	A	1958
Ilex aquifolium smithiana Smiths English holly	1952		F4	1954
Ilex aquifolium vantol Vantol English holly	1952	H-2	A	1958
Ilex aquifolium whittingtonensis Whittington English holly	1952	H-2	A	1958
Ilex beanii Beans holly	1952	H-2	A	1958
Ilex cornuta Chinese holly	1932		F4	1940

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Ilex crenata Japanese holly	1931		F ₅	1940
Ilex crenata hetzi Hetzi Japanese holly	1952	H-2	A	1958
Ilex decidua Possumhaw	1930	E-58	A	1958
Ilex dubia	1930	H-2	A	1958
Ilex glabra Inkberry	1933	A-1	A	1958
Ilex opaca American holly	1916	A-1, J-37	A	1958
Ilex opaca Alloway	1953	H-2	A	1958
Ilex opaca Arden	1955	H-2	A	1958
Ilex opaca Big Berry	1953		F ₄	1954
Ilex opaca Big Red	1953	H-2	A	1958
Ilex opaca Birds Nest	1953	H-2	A	1958
Ilex opaca Bittersweet	1955	H-2	A	1958
Ilex opaca Bountiful	1953	H-2	A	1958
Ilex opaca Canary Yellow	1953	H-2	A	1958
Ilex opaca Cape Cod	1953	H-2	A	1958
Ilex opaca Croonenberg	1952	H-2	A	1958
Ilex opaca Cupleaf	1953	H-2	A	1958
Ilex opaca Elephant	1953	H-2	A	1958
Ilex opaca Elfin	1953	H-2	A	1958
Ilex opaca Hedge	1955	H-2	A	1958
Ilex opaca Howard	1952	H-2	A	1958
Ilex opaca Jekyll	1953	H-2	A	1958
Ilex opaca Magic	1953	H-2	A	1958
Ilex opaca Maryland	1953	H-2	A	1958
Ilex opaca Matriarch	1953	H-2	A	1958
Ilex opaca Merry Xmas	1953	H-2	A	1958
Ilex opaca Mrs. Santa	1953	H-2	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Ilex opaca Needlepoint	1953	H-2	A	1958
Ilex opaca Old Faithful	1953	H-2	A	1958
Ilex opaca Old Heavyberry	1953 1956	H-2 H-5	A A	1958 1958
Ilex opaca Old Leatherleaf	1953	H-2	A	1958
Ilex opaca Perfection	1953	H-2	A	1958
Ilex opaca Santa Claus	1955	H-2	A	1958
Ilex opaca Sprig	1953	H-2	A	1958
Ilex opaca Sunset Glow	1953	H-2	A	1958
Ilex opaca torchbearer	1953	H-2	A	1958
Ilex opaca Westcroft	1955	H-2	A	1958
Ilex opaca Xmas Bouquet	1953	H-2	A	1958
Ilex opaca Xmas Carol	1955	H-2	A	1958
Ilex opaca Yule	1955	H-2	A	1958
Ilex paraguayensis Paraguaytea	1936		FN	1937
Ilex pedunculosa Longstalk holly	1952	H-2	A	1958
Ilex perado balearica Balearic Azores holly	1952	H-2	A	1958
Ilex serrata Finetooth holly	1934		F ₄	1936
Ilex verticillata Common winterberry	1930	H-2 J	A V	1958 1958
Ilex verticillata chrysocarpa Yellowfruit common winterberry	1933	E-58, H-2	A	1958
Jasminum nudiflorum Winter Jasmine	1932		FN	1934
Juglans californica California black walnut	1927		F ₄	1934
Juglans cinerea Butternut	1917	E-42	A	1958

Plot E-42

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
9	2.0	14.2
16	2.8	18.9
21	3.7	22.3
26	4.2	24.9

K-3 V 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Juglans mandshurica Manchu walnut	1928	E-53	A	1958
Juglans nigra Eastern black walnut	1901 1922	A-21 B-7	A A	1958 1958

Plot B-7

B. walnut & Osage orange

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
B.W.	O.O.	B.W.	O.O.	B.W.	O.O.
11	11	2.0	1.9	11.9	15.1
16	16	2.8	2.4	22.0	18.5
21	21	4.4	3.0	33.2	22.9

B. walnut & red oak

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
B.W.	R.O.	B.W.	R.O.	B.W.	R.O.
11	11	1.0	1.9	9.2	16.6
16	16	1.6	3.0	14.6	25.2
21	21	2.5	4.3	22.1	34.2

1927	E-8	A	1958
1916	E-43	A	1958

Plot E-43

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	1.9	13.6
16	2.6	17.2
22	3.3	21.0
41	6.6	41.8

1914	K-19 H, J, K	A V	1958 1958
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Juglans regia Persian walnut	1917	F4	1931
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Juglans sieboldiana Siebold walnut	1917	E-52	A 1958
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Juglans sieboldiana cordiformis Flat Siebold walnut	1924	E-53	A 1958
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Juniperus chinensis aureoglobosa Goldenglobe pyramid Chinese Juniper	1929	A-29	A 1958
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Juniperus chinensis columnaris Columnar pyramid Chinese Juniper	1917	A-29	A 1958
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Juniperus chinensis femina Reeves pyramid Chinese Juniper	1924		R 1949
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Juniperus chinensis fortunei Fortunes pyramid Chinese Juniper	1918		R 1949
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Juniperus chinensis glauca hetzi Hetz blue Chinese Juniper	1952	A-29	A 1958
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Juniperus chinensis globosa Globe pyramid Chinese Juniper	1952	A-29	A 1958
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	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Juniperus chinensis japonica Japanese juniper	1917	A-29	A	1958
Juniperus chinensis koreana Korean juniper	1927		R	1949
Juniperus chinensis mas	1952	A-29	A	1958
Juniperus chinensis oblonga Oblong pyramid Chinese juniper	1931	A-29	A	1958
Juniperus chinensis pfitzeriana Pfitzer pyramid Chinese juniper	1917	A-29, C-1	A	1958
Juniperus chinensis pfitzeriana compacta Compact pfitzer pyramid Chinese juniper	1952	A-29	A	1958
Juniperus chinensis pfitzeriana moraine 1952		A-29	A	1958
Juniperus chinensis plumosa Plume pyramid Chinese juniper	1933		FN	1934
Juniperus chinensis sargentii Sargent pyramid Chinese juniper	1931 1952	A-29 A-29	A A	1958 1958
Juniperus chinensis smithii Smith pyramid Chinese juniper	1952	A-29	A	1958
Juniperus chinensis variegata	1932		R	1949
Juniperus communis Common juniper	1952	A-29	A	1958
Juniperus communis ashfordii Ashford common juniper	1932		R	1949
Juniperus communis Aureo-splca	1953	A-29	A	1958
Juniperus communis cracovia Polish common juniper	1933		R	1949
Juniperus communis depressa Oldfield common juniper	1952	A-29	A	1958
Juniperus communis hibernica Irish juniper	1952	A-29	A	1958
Juniperus communis koreana	1927		R	1949
Juniperus communis kiyonoi Kiyonoi common juniper	1952	A-29	A	1958
Juniperus communis sargentii Sargent common juniper	1952	A-29	A	1958
Juniperus communis suecica Swedish juniper	1952	A-29	A	1958
Juniperus communis suecica nana Dwarf Swedish juniper	1952	A-29	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Juniperus conferta Shore Juniper	1952	A-29	A	1958
Juniperus excelsa stricta Spiny Greek Juniper	1952	A-29	A	1958
Juniperus formosana Formosa Juniper	1933		FN	1934
Juniperus horizontalis Creeping Juniper	1930 1931 1931 1952 1953	A-15 A-15 A-29 A-29 A-29	A A A A A	1958 1958 1958 1958 1958
Juniperus horizontalis alpina Alpine creeping Juniper	1940 1952	A-29 A-29	A A	1958 1958
Juniperus horizontalis Bar Harbor Bar Harbor creeping Juniper	1925 1931	A-29 A-29	A A	1958 1958
Juniperus horizontalis douglasii Waukegan creeping Juniper	1929	A-29	A	1958
Juniperus horizontalis glauca Blue creeping Juniper	1953	A-29	A	1958
Juniperus horizontalis plumosa Andorra creeping Juniper	1931 1952	A-29 A-29	A A	1958 1958
Juniperus macrocarpa Plum Juniper	1924	A-29	A	1958
Juniperus monosperma Oneseed Juniper	1926		R	1949
Juniperus occidentalis Sierra Juniper	1931		FN	1931
Juniperus pachyphloea Alligator Juniper	1931		FN	1931
Juniperus procumbens Japgarden Juniper	1920 1952	B-1 A-29	A A	1958 1958
Juniperus rigida Needle Juniper	1928 1953	A-29 A-29	A A	1958 1958
Juniperus sabina Savin Juniper	1931 1952	A-15 A-29	A A	1958 1958
Juniperus sabina tamariscifolia Tamarix savin Juniper	1952	A-29	A	1958
Juniperus sabina Vonehron Vonehron savin Juniper	1933 1952	A-29 A-29	A A	1958 1958
Juniperus scopulorum Rockymountain Juniper	1926 1952	A-15 A-29	A A	1958 1958
Juniperus sphaerica Fortunes Juniper	1952	A-29	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Juniperus squamata Singleseed juniper	1925 1952	A-29, B-1 A-29	A A	1958 1958
Juniperus squamata meyeri Meyer singleseed juniper	1952	A-29	A	1958
Juniperus squamata variegata Variegated singleseed juniper	1930	B-1	A	1958
Juniperus squamata wilsoni Wilson singleseed juniper	1932		FN	1933
Juniperus virginiana Eastern redcedar	1911	D-11	F ₁	1954
At age 43 this 100 x 100 foot plot yielded 228 posts, worth \$407.70 per acre				
Juniperus virginiana albo-spica Whitetip eastern redcedar	1932		FN	1932
Juniperus virginiana burkii Burk eastern redcedar	1952	A-29	A	1958
Juniperus virginiana canaerit Canaert eastern redcedar	1932	A-29	A	1958
Juniperus virginiana crebra North eastern redcedar	1956	A-29, H-11 K-25	V A	1958 1958
Juniperus virginiana elegantissima Goldtip eastern redcedar	1952	A-29	A	1958
Juniperus virginiana glauca Silver eastern redcedar	1954	A-29	A	1958
Juniperus virginiana globosa Globe eastern redcedar	1952	A-29	A	1958
Juniperus virginiana hillii Hill Dundee eastern redcedar	1952	A-29	A	1958
Juniperus virginiana keteleeri Keteleer eastern redcedar	1952	A-29	A	1958
Juniperus virginiana kosteri Koster eastern redcedar	1929 1931 1952	A-29 A-29 A-29	A A A	1958 1958 1958
Juniperus virginiana pendula Weeping eastern redcedar	1929 1953	A-29 A-29	A A	1958 1958
Juniperus virginiana plumosa Feather eastern redcedar	1952		F ₃	1952
Juniperus virginiana pyramidalis Pyramidal eastern redcedar	1931		F ₁	1944
Juniperus virginiana pyramidiformis Purple pyramid eastern redcedar	1930		R	1952
Juniperus virginiana reptans Creeping eastern redcedar	1952	A-29	A	1958
Juniperus virginiana schottii Schott eastern redcedar	1952	A-29	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Juniperus virginiana smithi Smith eastern redcedar	1933 1952 1917	A-15, A-29 A-29 C-1	A A A	1958 1958 1958
Juniperus virginiana tripartita Fountain eastern redcedar	1952	A-29	A	1958
Juniperus virginiana venusta Green pyramid eastern redcedar	1952	A-29	A	1958
Kalmia latifolia Mountain laurel kalmia	1916	J-37	A	1958
Kerria japonica Japanese kerria	1929		F ₄	1936
Koelreuteria paniculata Panicled goldrain tree	1917	H-11	A	1958
Kolkwitzia amabilis Beautybush	1930	K-19	A	1958
Laburnum alpinum Scotch laburnum	1931	H-11	A	1958
Laburnum anagyroides Golden chain laburnum	1928		FN	1929
Larix decidua European larch	1911 1909 1911 1906	A-12 A-27 B-22 D-1	A A A A	1958 1958 1958 1958

Plot D-1

European larch & Norway spruce

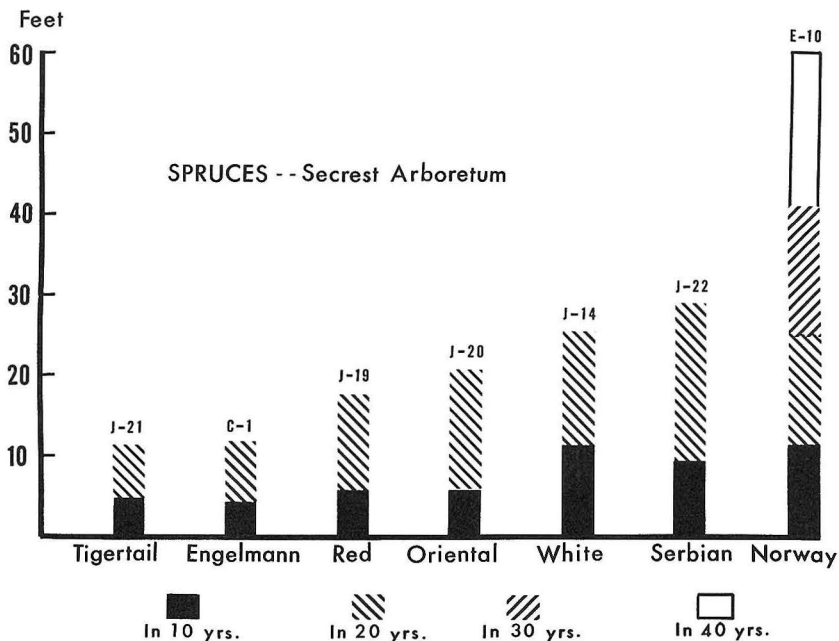
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>E.L.</u>	<u>N.S.</u>	<u>E.L.</u>	<u>N.S.</u>	<u>E.L.</u>	<u>N.S.</u>
17	17	4.1	3.4	27.0	23.0
24	24	5.5	4.3	37.0	29.9
28	28	6.3	5.5	42.7	36.4
31	31	6.4	5.9	45.9	41.7
45	45	7.9	8.1	55.0	56.0
48	48	9.5	9.1	67.3	64.3

1909 D-14 A 1958

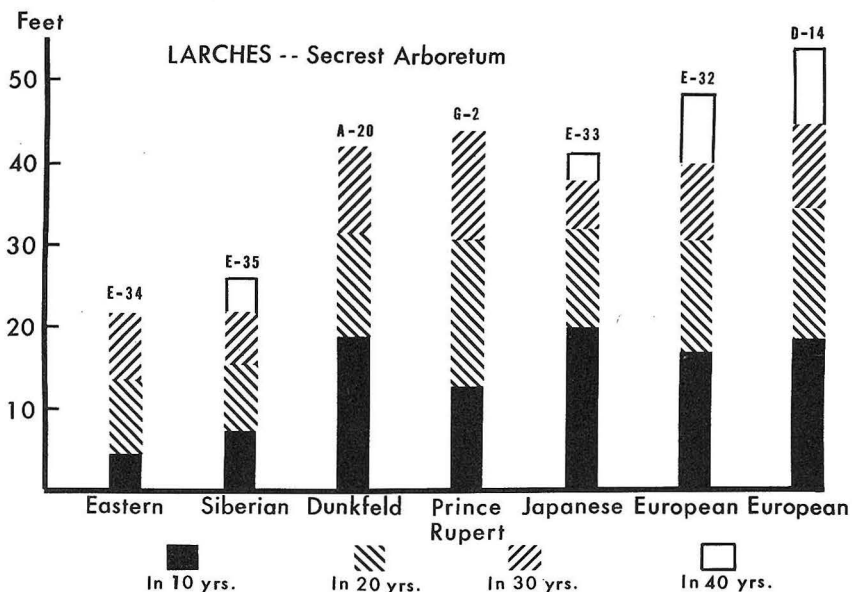
Plot D-14

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
17	4.5	26.9
24	5.6	35.9
29	6.2	38.4
35	6.9	45.1
44	8.1	52.0
48	9.6	54.6

1912 E-11 A 1958



HEIGHT GROWTH OF SPRUCES



HEIGHT GROWTH OF LARCHES



The arborvitae collection in the Secret Arboretum contains over 45 different varieties.

White pine after thinning. Planting in 1911; thinned in 1926. Scale—R. R. Paton.

<u>Planted</u>						<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-11</u>								
European larch & white pine								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>			
11	11	4.9	2.9	27.8	17.0			
16	16	5.1	3.7	29.5	21.2			
21	21	5.5	4.9	36.2	32.4			
25	25	5.8	5.3	40.5	34.2			
41	41	7.5	8.9	54.0	52.0			

1916 E-32 A 1958

<u>Plot E-32</u>								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>			
10		3.0		18.2				
16		4.5		28.9				
22		5.5		36.9				
27		5.8		40.7				
41		8.4		54.4				

1913 J-36 A 1958

<u>Plot J-36</u>								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>			
25		4.7		42.1				

Larix eurolepis
Dunkfeld larch 1934 A-20 A 1958

<u>Plot A-20</u>								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>			
3		0.3		6.1				
4		0.9		9.4				
9		2.8		21.9				
25		4.1		33.9				

Larix gmelini
Dahurian larch 1933 E-34 A 1958

Larix gmelini principis-rupprechtii 1926 E-57 A 1958
Prince Rupprecht Dahurian larch

1929 G-2 A 1958

<u>Plot G-2</u>								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>	<u>E.L.</u>	<u>W.P.</u>			
7		0.6		7.6				
28		5.5		43.4				

Larix gmelini japonica
Kurile Dahurian larch 1933 FN 1934

Larix laricina 1954 E-16 A 1958
Eastern larch 1918 E-34 A 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-34</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
14	0.8	8.2		
18	1.6	12.2		
25	2.7	17.8		
Larix leptolepis	1911	B-24	A	1958
Japanese larch	1916	E-35	A	1958
<u>Plot E-33</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	2.9	20.2		
16	5.7	27.7		
22	4.2	33.1		
27	4.4	35.1		
41	6.7	41.5		
	1909	J-7	A	1958
	1911	J-43	A	1958
Larix occidentalis				
Western larch	1930		FN	1931
Larix sibirica	1909	C-1	A	1958
Siberian larch	1916	E-35	A	1958
<u>Plot E-35</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	1.1	8.8		
16	1.9	12.7		
20	2.1	15.6		
27	3.3	22.4		
41	4.9	24.9		
Leitneria floridana				
Florida corkwood	1931		F4	1934
Libocedrus decurrens				
California incense cedar	1931	C-4	A	1958
Ligustrum acuminatum				
Sharpleaf privet	1931		R	1947
Ligustrum acutissimum	1931		R	1947
Ligustrum delavayanum				
Delavay privet	1924		FN	1924
Ligustrum ovalifolium aureomarginatum				
Yellowedge California privet	1931		F4	1940
Lindera benzoin				
Common spicebush	1930	K-3	V	1958
		J-7	A	1958
Liquidambar formosana				
Formosa sweetgum	1931		FN	1931
Liquidambar styraciflua				
American sweetgum	1917	A-14	A	1958



**Sweetgum, Plot D-26 was planted in 1918. Photo taken January, 1930.
For growth record see page 37.**



Swamp white oak, Plot B-18 was planted in 1913. Photo taken January, 1930. For growth record see page 67.

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot A-14</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	2.2	18.7		
16	3.6	28.3		
21	4.3	33.4		
32	7.2	61.8		

1918 D-26 A 1958

<u>Plot D-26</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	3.1	22.5		
14	4.3	30.2		
20	5.6	39.3		
25	6.8	47.1		
36	8.5	65.0		
39	10.4	68.4		
	1926	D-33, J-7	A	1958
	1920	K-3	A	1958
Liriodendron tulipifera	1903	A-27	A	1958
Tuliptree	1922	B-6	A	1958

<u>Plot B-6</u>					
Tuliptree & white pine					
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>T.</u>	<u>W.P.</u>	<u>T.</u>	<u>W.P.</u>	<u>T.</u>	<u>W.P.</u>
11	11	1.2	2.2	11.4	14.7
15	15	2.0	3.6	17.7	22.1
21	21	4.4	5.6	31.5	31.7
				1913	B-23
				1915	D-32
					A
					A
					1958
					1958

<u>Plot D-32</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
13	3.3	26.9		
25	4.8	38.1		
	1909	E-12	A	1958

<u>Plot E-12</u>					
Tuliptree & white ash					
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>T.</u>	<u>W.A.</u>	<u>T.</u>	<u>W.A.</u>	<u>T.</u>	<u>W.A.</u>
19	19	3.2	1.2	24.9	14.0
24	-*	4.1	-*	30.2	-*
29	-	4.9	-	37.7	-
35	-	6.3	-	49.4	-
44	-	10.4	-	67.0	-

*ash all dead by 1932

						<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-12</u>									
Tuliptree & Norway spruce									
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>					
<u>T.</u>	<u>N.S.</u>	<u>T.</u>	<u>N.S.</u>	<u>T.</u>	<u>N.S.</u>				
19	14	3.4	2.0	25.7	14.9				
24	19	4.3	2.6	34.2	18.7				
29	24	5.5	3.0	41.6	21.2				
48	43	11.9	4.3	73.1	25.8				
						1911 1951	J-38, J-44 M-7	A A	1958 1958
Liriope graminifolia						1937		FN	1937
Lonicera coerulea edulis						1937		FN	1937
Lonicera ferdinandi Ferdinand honeysuckle						1930		FN	1930
Lonicera fragrantissima Winter honeysuckle						1931		FN	1945
Lonicera japonica halliana Hall's Japanese honeysuckle							J, K	V	1958
Lonicera koehneana Koehne honeysuckle						1930		R	1945
Lonicera korolkowi Blueleaf honeysuckle						1930		R	1945
Lonicera ledebouri Ledebour honeysuckle						1930		R	1945
Lonicera maackii Amur honeysuckle						1929		R	1945
Lonicera maackii erubescens Pink Amur honeysuckle						1930		R	1945
Lonicera maackii podocarpa Podocarpa Amur honeysuckle						1929		R	1945
Lonicera maximowiczii						1930		F4	1933
Lonicera maximowiczii sachalinensis Sakhalin honeysuckle						1929		R	1945
Lonicera morrowii Morrow honeysuckle						1926		R	1945
Lonicera nervosa						1930		R	1945
Lonicera nitida Box honeysuckle						1929		F4	1931
Lonicera plicata Privet honeysuckle						1929		F4	1931

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Lonicera saccata	1933		FN	1934
Lonicera spinosa alberti Albert thorn honeysuckle	1926		F ₄	1930
Lonicera tatarica latifolia Great tatarian honeysuckle	1926		R	1945
Lonicera thibetica Tibet honeysuckle	1929		R	1945
Lonicera yunnanensis Yunnan honeysuckle	1931		FN	1931
Loropetalum chinense	1937		FN	1937
Lycium halimifolium Matrimonyvine	1954	A-1	A	1958
Maclura pomifera Osageorange	1921 1917	B-6 B-13	A A	1958 1958

Plot B-13

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
15	2.6	18.7
21	3.1	21.3
26	3.2	21.9

1922	B-7	A	1958
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Plot B-7

Osageorange & red pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
O.	R.P.	O.	R.P.	O.	R.P.
11	11	2.0	1.0	15.2	8.1
15	15	2.9	2.8	20.4	15.5
21	21	4.3	4.7	29.1	25.0

Osageorange & black walnut

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
O.	B.W.	O.	B.W.	O.	B.W.
11	11	1.9	2.0	15.1	14.9
15	15	2.4	2.8	18.5	22.0
21	21	3.0	4.4	22.9	33.2

Osageorange & red oak

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
O.	R.O.	O.	R.O.	O.	R.O.
11	11	1.6	2.0	14.1	17.3
15	15	2.1	3.0	17.6	25.1
21	21	2.8	4.2	22.9	34.9

						<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Osageorange & white pine									
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>					
<u>0.</u>	<u>W.P.</u>	<u>0.</u>	<u>W.P.</u>	<u>0.</u>	<u>W.P.</u>				
11	11	1.5	1.8	12.9	12.5				
15	15	2.2	3.2	18.5	20.2				
21	21	3.3	6.1	26.9	33.8				
Osageorange & pond baldcypress									
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>					
<u>0.</u>	<u>P.B.</u>	<u>0.</u>	<u>P.B.</u>	<u>0.</u>	<u>P.B.</u>				
11	11	1.7	0.8	14.3	8.6				
15	15	2.5	1.2	19.4	12.1				
21	21	3.7	1.9	28.8	17.3				
Osageorange & tuliptree									
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>					
<u>0.</u>	<u>T.</u>	<u>0.</u>	<u>T.</u>	<u>0.</u>	<u>T.</u>				
11	11	1.9	1.8	16.0	16.0				
15	15	2.8	2.5	21.6	21.8				
21	21	3.7	5.0	28.7	36.3				
Magnolia acuminata Cucumbertree magnolia						1917	B-19	A	1958
Plot B-19									
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>					
11		2.2		17.2					
15		3.0		23.7					
21		4.1		31.2					
26		5.1		38.9					
36		7.5		52.0					
40		9.1		55.0					
						1956			1958
						1925	D-21, J-35	A	1958
Magnolia fraseri Fraser magnolia						1924	H-12	A	1958
Magnolia grandiflora Southern magnolia						1932		FN	1933
Magnolia kobus borealis						1930		FN	1930
Magnolia sieboldi Oyama magnolia						1931		FN	1934
Magnolia stellata Star magnolia						1929	H-12	A	1958
Magnolia tripetala Umbrella magnolia						1957 1917	J-7 J-37	A A	1958 1958
Mahonia aquifolium Oregongrape						1933	A-2	A	1958
Mahonia repens Creeping mahonia						1930		FN	1931

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Malus adstringens	1951	J-11	A	1958
Malus adstringens Hopa	1951	F-1	A	1958
Malus adstringens Red Silver	1951	F-1	A	1958
Malus adstringens Simcoe	1951	A-9, F-1	A	1958
Malus adstringens Sissipuk	1951	A-9, F-1	A	1958
Malus X Almey, "M452"	1951	A-9	A	1958
Malus X Amisk	1951	A-9, F-1	A	1958
Malus arnoldiana Arnold crabapple	1951	J-11	A	1958
Malus X Arrow	1951	A-9, F-1	A	1958
Malus atrosanguinea	1951	F-1	A	1958
Malus baccata Siberian crabapple	1951	F-1	A	1958
Malus baccata mandshurica Manchurian crabapple	1954	B-3	A	1958
Malus brevipes	1951	J-12	A	1958
Malus coronaria Wild sweet crabapple	1954	B-3 K	A V	1958 1958
Malus coronaria Charlotte	1951	J-11	A	1958
Malus coronaria Thoms	1951	J-11	A	1958
Malus X Cowichan	1951	A-9, F-1	A	1958
Malus X Dolgo	1951	J-12	A	1958
Malus X Flame	1951	J-12	A	1958
Malus florentina Florentine crabapple	1954	B-3	A	1958
Malus floribunda Japanese flowering crabapple	1951	J-12	A	1958
Malus fusca Oregon crabapple	1954	B-3	A	1958
Malus x Geneva	1951	A-9, F-1	A	1958
Malus glaucescens Dunbar crabapple	1953	A-9	A	1958
Malus gloriosa	1951	F-1	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Malus gloriosa Ekonomierat Echtermeyer 1951	1951	F-1	A	1958
Malus halliana parkmani Parkman Hall's crabapple	1951	J-11	A	1958
Malus hartwigi Hartwig crabapple	1951	J-12	A	1958
Malus hupehensis	1951 1951	G-19 J-12	A A	1958 1958
Malus hupehensis rosea	1951	J-12	A	1958
Malus ioensis Prairie crabapple	1954	B-3	A	1958
Malus ioensis plena Bechtel prairie crabapple	1951	J-11	A	1958
Malus X "M450"	1951	A-9	A	1958
Malus X "M451"	1951	A-9	A	1958
Malus X "M457"	1951	A-9	A	1958
Malus X "M52-12"	1951	A-9	A	1958
Malus X Makamik	1951	A-9, F-1	A	1958
Malus X Oakes, "M450"	1951	A-9	A	1958
Malus prunifolia rinki Chinese pearleaf crabapple	1953	J-11	A	1958
Malus pumila Elise Rathke	1951	F-1	A	1958
Malus pumila Niedzwetskyana	1954	B-3	A	1958
Malus purpurea Purple crabapple	1951	F-1	A	1958
Malus purpurea aldenhamensis Aldenham purple crabapple	1951	F-1	A	1958
Malus purpurea eleyi Eley purple crabapple	1951	F-1	A	1958
Malus purpurea lemoinei Lemoine purple crabapple	1951	A-9, F-1	A	1958
Malus robusta Cherry crabapple	1951	F-1	A	1958
Malus robusta erecta Column cherry crabapple	1951	J-12	A	1958
Malus robusta leucocarpa	1953	A-9	A	1958



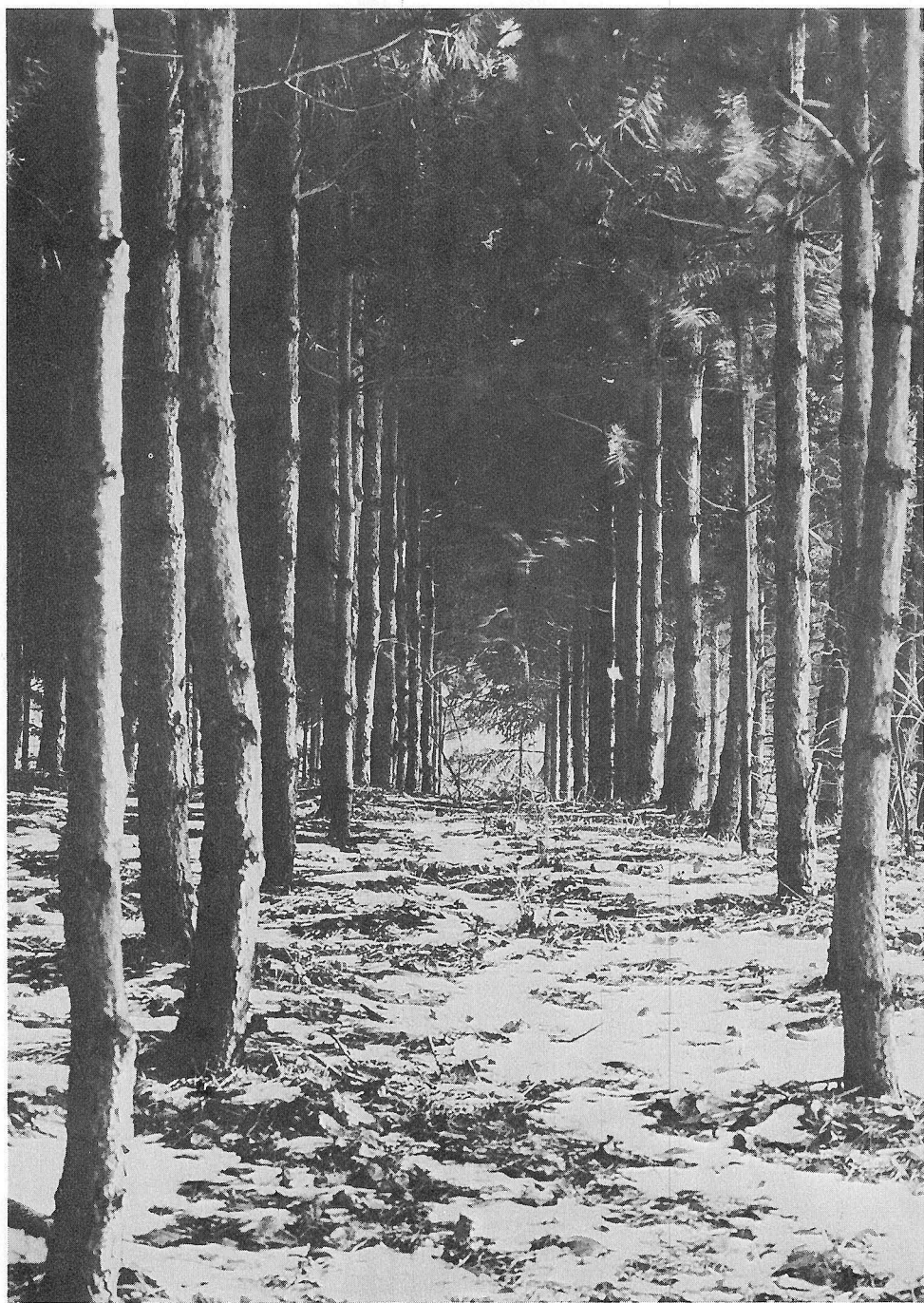
The Chinese Dawn Redwood, *Metasequoia glyptostroboides*, Hu and Cheng, was considered to have become extinct, some 20,000,000 years ago, since its fossil remains did not occur in rocks younger than Miocene. In 1944 living trees of this species were found growing in the interior of China. The trees in this plot which was established in 1953 were started from cuttings.



Research in forest genetics is an important activity in the Secrest Arboretum. Here is a plot of sugar maple from 16 sources in which genetic variation is being studied.

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Malus robusta persicifolia Peachleaf cherry crabapple	1954	B-3	A	1958
Malus X Rosseau	1951	A-9, F-1	A	1958
Malus sargentii Sargent crabapple	1951	J-11	A	1958
Malus scheideckeri Scheidecker crabapple	1951	A-9	A	1958
Malus X Scugog	1951	F-1	A	1958
Malus sieboldii Toringo crabapple	1951	J-12	A	1958
Malus sikkimensis Sikkim crabapple	1953	A-9	A	1958
Malus soulardii Soulard crabapple	1951	J-12	A	1958
Malus spectabilis albiplena Doublewhite Chinese flowering crabapple	1951	J-12	A	1958
Malus X Strathmore	1951	A-9	A	1958
Malus sublobata Yellow autumn crabapple	1953	A-9	A	1958
Malus X Sundog	1951	A-9	A	1958
Malus toringoides Cutleaf crabapple	1951	J-12	A	1958
Malus tschonoskii	1953	J-12	A	1958
Malus X "VC3"	1951	A-9	A	1958
Malus X Wilsoni	1953	A-9	A	1958
Malus zumi Zumi crabapple	1953	A-9	A	1958
Malus zumi calocarpa	1951	J-12	A	1958
Metasequoia glyptostroboides Dawn redwood	1951	F-24	A	1958
Morus alba White mulberry	1926	A-26, B-14, G-11, D-14	A V	1958 1958
Morus alba tatarica Russian mulberry	1904	A-29	A	1958
Morus nigra Black mulberry	1930		FN	1930

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Morus rubra Red mulberry	1926	B-12	A	1958
Nyssa aquatica Water tupelo	1930		F ₄	1933
Nyssa sylvatica Black tupelo	1900 1940	G-19 L-4	V A	1958 1958
Ostrya virginiana American hophornbeam	1890	J-37 I	A V	1958 1958
Oxydendrum arboreum Sourwood	1914	J-7	A	1958
Parrotia persica Persian parrotia	1928		F ₄	1936
Parthenocissus quinquefolia Virginia creeper	1940	B-21 K	A V	1958 1958
Paulownia tomentosa Royal Paulownia	1931	H-12	A	1958
Periploca sepium Chinese silkvine	1933		F ₄	1936
Phellodendron amurense Amur corktree	1940	G-19	A	1958
Phellodendron japonicum Japanese corktree	1930	H-1	A	1958
Phellodendron lavaliei Lavalle corktree	1932	G-19	A	1958
Phellodendron sachalinense Sakhalin corktree	1932	G-19, H-1	A	1958
Philadelphus coronarius Sweet mockorange	1931	A-1	A	1958
Philadelphus grandiflorus Big scentless mockorange	1931	K A-1	V A	1958 1958
Philadelphus insignis Summer mockorange	1930		R	1955
Philadelphus tenuifolius	1929		R	1940
Philadelphus zeyheri Zeyher mockorange	1926		R	1948
Photinia serrulata Chinese photinia	1931		FN	1931
Physocarpus amurensis Amur ninebark	1932	A-1	A	1958
Physocarpus opulifolius Common ninebark	1929	J	R V	1948 1958



Plot E-14, Norway spruce and red pine planted in 1912. Photo taken January, 1928. For growth record see page 45.



Corsican pine, Plot D-31 at age 24. For growth record see page 53.

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Picea abies Norway spruce	1910	A-27	A	1958

Plot A-27

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
18	3.6	23.7
23	4.9	32.8
30	6.3	35.4
40	7.0	48.6

1956	B-14	A	1958
1909	D-1	A	1958
1913	E-10	A	1958

Plot E-10

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
13	2.0	16.3
19	2.2	25.0
19	3.0	25.0
23	4.0	30.4
31	5.2	46.9
41	7.1	54.0
44	8.0	60.6

1912	E-14	A	1958
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Plot E-14

Norway spruce & red pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>N.S.</u>	<u>R.P.</u>	<u>N.S.</u>	<u>R.P.</u>	<u>N.S.</u>	<u>R.P.</u>
9	9	2.4	3.1	16.0	15.0
15	15	3.4	4.7	26.9	25.6
19	19	3.8	5.1	32.8	29.9
24	24	4.7	5.8	36.4	36.1
40	40	7.3	8.4	53.0	56.0
44	44	8.3	9.1	56.8	57.8

1919	E-54	A	1958
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Plot E-54

Norway spruce & Douglasfir

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>N.S.</u>	<u>D.F.</u>	<u>N.S.</u>	<u>D.F.</u>	<u>N.S.</u>	<u>D.F.</u>
9	9	1.5	0.8	10.1	7.4
13	13	3.1	2.0	18.1	13.4
18	18	4.4	2.9	26.0	21.4
25	25	5.6	4.0	36.9	31.2

1912	J-4	F5	1956
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Plot J-4

Norway spruce & white pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>N.S.</u>	<u>W.P.</u>	<u>N.S.</u>	<u>W.P.</u>	<u>N.S.</u>	<u>W.P.</u>
13	13	2.3	3.4	17.9	22.1
19	19	3.2	4.1	24.8	33.0
24	24	3.9	6.0	29.8	40.7

1912	J-10	A	1958
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Plot J-10

Norway spruce & Scotch pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>N.S.</u>	<u>S.P.</u>	<u>N.S.</u>	<u>S.P.</u>	<u>N.S.</u>	<u>S.P.</u>
13	13	2.2	3.9	19.2	24.2
20	20	2.7	6.1	23.7	36.4
24	24	2.6	6.6	22.4	39.8

Spruce had failed by 1952

		<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
		1915	J-13	F ₅	1951
<u>Plot J-13</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
12	2.6	20.5			
21	3.5	29.7			
		1917	J-16	F ₁	1956
<u>Plot J-16</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
9	2.9	15.7			
15	4.6	27.6			
19	5.1	33.3			
		1916	K-24	A	1958
<u>Plot K-24</u>					
<u>Age</u>		<u>D.B.H.</u>	<u>Ht.</u>		
<u>Th.</u>	<u>Un-th.</u>	<u>Th.</u>	<u>Un-th.</u>		
17	17	2.2	2.0	18.1	17.8
21	21	2.5	2.4	20.2	17.9
½ of plot thinned in 1936					
Picea abies aurea					
Golden Norway spruce		1932		FN	1933
Picea abies inversa					
Drooping Norway spruce		1931	B-1, C-1	A	1958
Picea abies nidiformis					
Nest Norway spruce		1931	B-1	A	1958
Picea abies pyramidata					
Pyramidal Norway spruce		1932	B-1	A	1958
		1910	C-1	A	1958
Picea abies remonti					
Remont Norway spruce		1932	B-1	A	1958
Picea asperata					
Dragon spruce		1930	B-1	A	1958
Picea asperata ponderosa					
Bigcone dragon spruce		1933	B-1	A	1958
Picea bicolor					
Alcock spruce		1916	J-32	A	1958
Picea engelmanni					
Engelmann spruce		1913	B-1	A	1958
		1909	C-1	A	1958
		1915	J-16	F ₁	1956
<u>Plot J-16</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
13	-	7.0			
17	2.1	9.8			
21	2.5	12.5			
Picea glauca					
White spruce		1931	B-1	A	1958
		1936	B-1	A	1958
		1913	C-1	A	1958
		1915	J-14	F ₁	1956

		<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot J-14</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
11	2.5	12.8			
17	3.5	22.5			
21	4.2	25.5			
		1919	J-23	F ₁	1956
<u>Plot J-23</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
9	1.5	9.8			
13	2.9	15.2			
17	3.5	19.7	1928	J-31	A 1958
Picea glauca albertiana					
Alberta white spruce		1926	B-1	A	1958
Picea glauca conica					
Dwarf white spruce		1930		FN	1933
Picea glehnii					
Sakhalin spruce		1937		R	1950
Picea jezoensis					
Yeddo spruce		1932		FN	1933
Picea koyamai					
Koyama spruce		1929	B-1	A	1958
Picea likiangensis					
Balfour spruce		1930		F ₁	1936
Picea mariana					
Black spruce		1955	F-9	A	1958
Picea montigena					
Candelabra spruce		1933		R	1950
Picea obovata					
Siberian spruce		1918	B-1	A	1958
		1918	J-18	F ₁	1956
<u>Plot J-18</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
10	1.6	10.0			
14	3.0	15.6			
18	3.6	20.4			
Picea omorika					
Serbian spruce		1929	B-1	A	1958
		1917	C-1	A	1958
		1918	J-22	F ₁	1956
<u>Plot J-22</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
10	1.8	8.3			
14	2.9	19.3			
18	3.7	24.3			
Picea orientalis					
Oriental spruce		1918	B-1, C-3, C-4	A	1958
		1918	J-20	A	1958



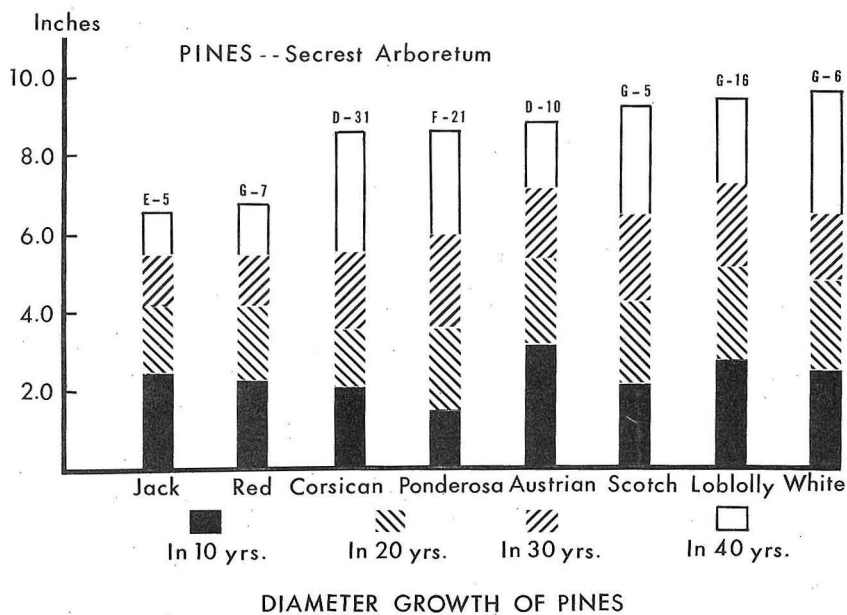
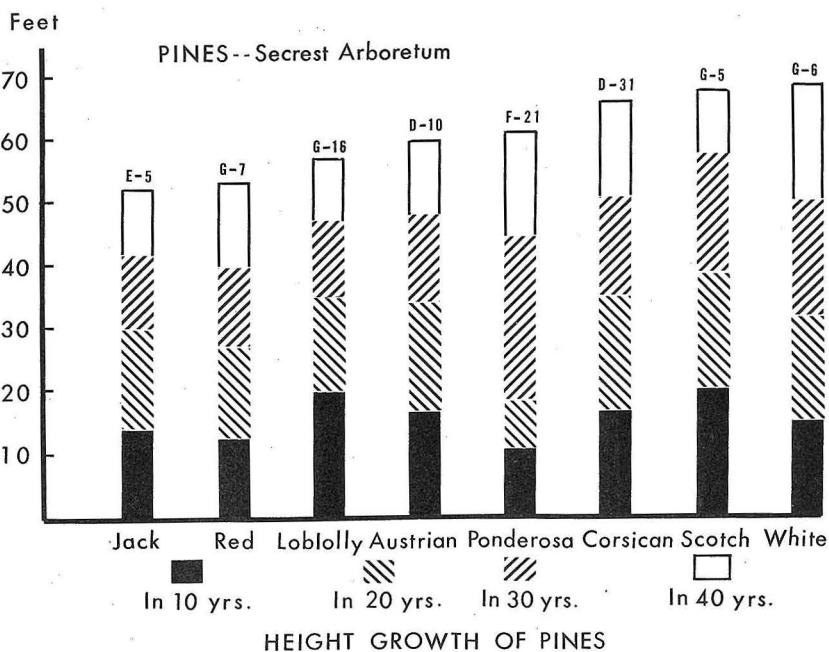
The Spruce Collection

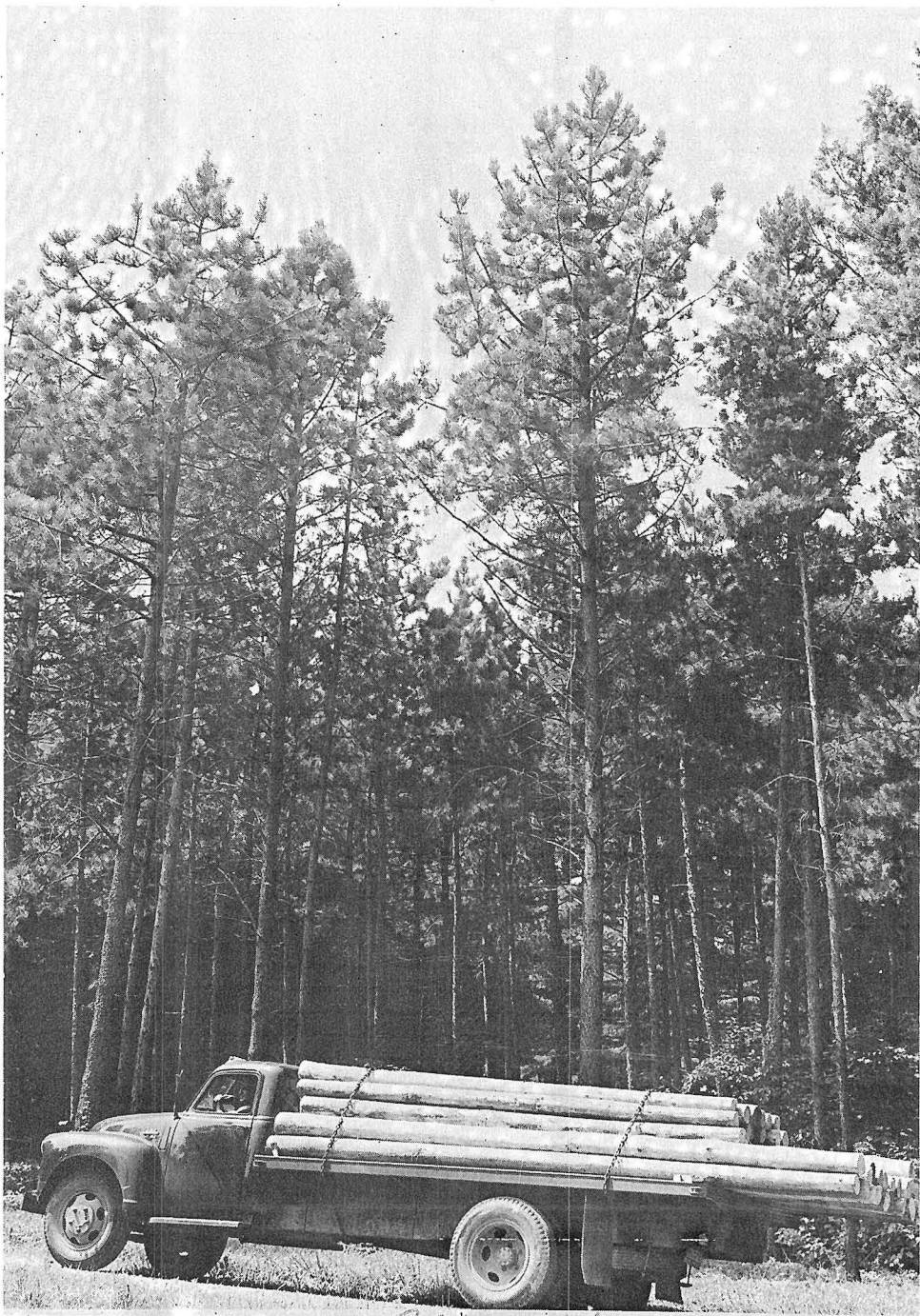
Colorado Blue Spruce in left foreground. Serbian Spruce in center background.

Photo taken February, 1956

			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot J-20</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	-	6.1				
14	1.8	11.1				
18	3.1	17.1				
Picea polita Tigertail spruce			1918	J-21	A	1958
<u>Plot J-21</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	-	5.2				
14	1.1	7.1				
18	1.9	10.1				
Picea pungens Colorado spruce			1930, 1933 1916 1922	B-1 C-1, J-17	A A F ₁	1958 1958 1956
<u>Plot J-17</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
<u>Gr. Blue</u>	<u>Gr. Blue</u>	<u>Gr. Blue</u>				
10 10	1.8 1.9	8.6 9.1				
14 14	2.9 3.2	13.8 14.2				
			1911	J-12	A	1958
Picea pungens kosteriana Koster Colorado spruce			1911	C-3	A	1958
Picea pungens moerhemia Moerheim Colorado spruce			1928, 1955	B-1	A	1958
Picea rubens Red spruce			1921 1956 1918	B-1 B-1 J-19	A A F ₁	1958 1958 1956
<u>Plot J-19</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	-	5.7				
14	1.7	9.9				
18	2.9	15.2				
Picea schrenkiana Schrenk spruce			1930		FN	1933
Picea sitchensis Sitka spruce			1924	K-13	A	1958
Picea smithiana Himalayan spruce			1916		F ₁	1930
Picea wilsoni Wilson spruce			1931	B-1	A	1958
Pieris japonica Japanese Pieris			1956	A-2	A	1958
Pinus albicaulis Whitebark pine			1931		FN	1934
Pinus aristata Bristlecone pine			1909	C-1	A	1958

		<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Pinus attenuata Knobcone pine		1930		F ₄	1936
Pinus balfouriana Foxtail pine		1930		FN	1931
Pinus banksiana Jack pine		1912 1910	C-3 E-5	A A	1958 1958
<u>Plot E-5</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
12	3.0	18.2			
18	4.0	26.2			
23	4.6	34.0			
27	4.8	36.6			
47	7.2	50.3			
<u>Plot G-10</u>					
		1917	G-10	A	1958
Jack pine and Scotch pine					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
<u>J.P.</u>	<u>S.P.</u>	<u>J.P.</u>	<u>S.P.</u>	<u>J.P.</u>	<u>S.P.</u>
9	9	3.0	3.4	18.5	18.1
15	15	3.8	5.2	27.9	31.0
20	20	4.4	6.8	33.1	39.4
		1915	G-11	A	1958
<u>Plot G-11</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
11	2.2	12.3			
17	2.6	17.4			
21	3.4	21.9			
		1914	G-15	A	1958
<u>Plot G-15</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
11	3.8	21.9			
17	4.6	30.9			
22	5.2	38.6			
		1956 1914	H-5 J-40	A F ₅	1958 1951
<u>Plot J-40</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
11	2.9	23.7			
15	5.1	45.0			
Pinus bungeana Lacebark pine		1921 1955	C-1 C-4	A A	1958 1958
Pinus cembra Swiss stone pine		1913		F ₅	1934
Pinus cembra sibirica Siberian stone pine		1928		FN	1931
Pinus cembroides edulis Colorado pinyon pine		1916		F ₄	1936





A truck load of red and white pine poles harvested as thinnings in the Secret Arboretum were pressure treated and used in the construction of a pole barn at the Experiment Station. Photo taken August, 1953.

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Pinus contorta Shore pine	1919	E-55	A	1958

Pinus contorta latifolia lodgepole pine	1919	E-55, C-4	A	1958
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Plot C-4

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
7	1.8	8.8
13	3.6	18.9
18	4.4	25.8

	1918	G-26	A	1958
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Plot G-26

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	1.9	8.9
14	3.1	16.1
19	4.3	23.1

Pinus coulteri Coulter pine	1954		FN	1956
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Pinus densiflora Japanese red pine	1927 1914	A-29 G-17	A A	1958 1958
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Plot G-17

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.9	17.9
22	4.0	32.0

Pinus densiflora umbraculifera Umbrella Japanese red pine	1932	B-1	A	1958
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Pinus echinata Shortleaf pine	1914	G-14	A	1958
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Plot G-14

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	3.5	19.4
17	4.8	27.8
22	6.2	37.1

	1956	H-5	A	1958
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Pinus flexilis Limber pine	1915 1917	F-1, F-2 G-29	A A	1958 1958
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Plot G-29

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
9	1.4	8.4
15	3.0	16.6
19	3.6	21.4

Pinus griffithi Himalayan pine	1916	G-27	A	1958
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Pinus jeffreyi Jeffrey pine	1918	G-28	A	1958
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	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot G-28</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	1.8	8.3		
14	3.2	13.3		
18	4.9	19.9		

Pinus koraiensis
Korean pine 1918 G-25 A 1958

<u>Plot G-25</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	0.9	7.1
14	2.9	17.3
18	4.1	26.2

Pinus lambertiana
Sugar pine 1928 FN 1929

Pinus monticola
Western white pine 1952 J-15 F4 1958

Pinus mugo
Swiss Mountain pine 1913 F5 1940

Pinus mugo mughus
Mugho Swiss pine 1916 A-1 A 1958

Pinus mugo pumilio
Shrubby Swiss pine 1933 F5 1940

Pinus mugo rotundata
Hoopes Swiss pine 1933 FN 1933

Pinus nigra
Austrian pine 1916 C-3 A 1958
1953 C-11 A 1958
1912 D-10 A 1958

<u>Plot D-10</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
13	4.2	20.6
19	5.1	30.7
24	6.3	38.5
31	7.0	47.7
40	8.8	56.0
45	9.5	57.7

1918 D-30 A 1958

<u>Plot D-30</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	3.8	17.4
19	5.9	32.3
25	7.1	38.8

1917 G-8 A 1958

<u>Plot G-8</u>					
Austrian pine and Ponderosa pine					
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>A.P.</u>	<u>P.P.</u>	<u>A.P.</u>	<u>P.P.</u>	<u>A.P.</u>	<u>P.P.</u>
10	10	2.8	2.8	13.3	13.1
15	15	4.6	5.7	22.9	20.2
20	20	6.1	4.1	30.0	26.1

<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
1914-17	G-13	A	1958

Plot G-13

Austrian pine and white pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>A.P.</u>	<u>W.P.</u>	<u>A.P.</u>	<u>W.P.</u>	<u>A.P.</u>	<u>W.P.</u>
11	9	3.1	2.5	16.5	13.0
17	15	4.7	3.9	26.3	25.6
22	20	6.0	4.3	32.9	32.1

1955	H-5	A	1958
1911	J-13	A	1958
1913	J-14	R	1955

Plot J-14

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	4.2	19.2
19	5.5	32.3
23	6.1	36.4

Pinus nigra poiretiana
Corsican pine

1919	A-17	A	1958
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Plot A-17

Corsican pine and Scotch pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>C.P.</u>	<u>S.P.</u>	<u>C.P.</u>	<u>S.P.</u>	<u>C.P.</u>	<u>S.P.</u>
9	9	3.2	3.2	19.7	18.6
14	14	4.6	5.9	27.7	26.4
18	18	4.4	4.8	31.5	32.8
30	30	7.5	7.8	62.0	61.5

1939	A-26	A	1958
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Plot A-26

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.0	13.6
18	4.3	29.5

1914	C-1, C-4	A	1958
1918	D-30	A	1958

Plot D-30

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	3.6	19.8
19	5.5	35.7
25	7.0	44.6

1917	D-31	A	1958
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Plot D-31

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
7	1.7	11.4
11	2.4	20.9
15	2.9	27.5
20	3.6	35.7
36	6.9	57.0
40	9.0	65.6

1914	F-2	A	1958
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	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Pinus parviflora Japanese white pine	1909	C-3	A	1958

Pinus peuce Balkan pine	1918	G-24	F4	1958
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Plot G-24

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	1.3	8.8
14	2.2	13.6
18	3.3	19.0

Pinus pinaster Cluster pine	1932		FN	1934
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Pinus ponderosa Ponderosa pine	1919	E-56	A	1958
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Plot E-56

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
9	3.5	13.2
13	5.0	20.3
18	6.1	27.4

Pinus ponderosa scopulorum Rocky Mountain Ponderosa pine	1907	C-4	A	1958
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Plot C-4

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
21	3.9	21.1

	1918	D-30	A	1958
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Plot D-30

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.2	13.6
19	3.6	27.1
25	3.9	29.7

	1909	E-6	A	1958
--	------	-----	---	------

Plot E-6

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
17	4.1	17.9
23	5.1	23.7
28	5.7	26.7
35	6.5	35.9

Ponderosa pine and Norway spruce

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>P.P.</u>	<u>N.S.</u>	<u>P.P.</u>	<u>N.S.</u>	<u>P.P.</u>	<u>N.S.</u>
17	10	3.9	0.9	17.5	8.2
23	16	4.9	1.6	23.7	12.2
28	21	5.7	1.8	29.8	14.6
35	28	6.9	3.7	37.1	15.2

	1915	F-21	A	1958
--	------	------	---	------

Plot F-21

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
7	0.8	6.3
11	1.8	11.4
16	2.7	18.6
21	3.8	26.2
42	9.2	61.1

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
	1916	G-8	A	1958
	1914	G-9	A	1958
	1912	J-8	A	1958

Plot J-8

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
13	4.2	17.5
20	5.9	27.6
24	6.9	31.5

Pinus pumila Japanese stone pine	1930		FN	1932
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Pinus pungens Table Mountain pine	1931	E-45	A	1958
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Plot E-45

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
4	0.5	5.7
12	3.2	18.9

	1955	H-5	A	1958
Pinus resinosa Red pine	1919	A-19	A	1958

Plot A-19

Red pine and Douglasfir

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>R.P.</u>	<u>D.F.</u>	<u>R.P.</u>	<u>D.F.</u>	<u>R.P.</u>	<u>D.F.</u>
14	14	4.8	1.2	22.1	12.8
18	18	5.8	1.9	27.7	17.3
30	-	8.1	-	48.2	-

Douglasfir all dead by 1948

	1956	B-4	A	1958
	1922	B-6	A	1958

Red pine and red oak

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>R.P.</u>	<u>R.O.</u>	<u>R.P.</u>	<u>R.O.</u>	<u>R.P.</u>	<u>R.O.</u>
11	11	2.3	2.0	13.1	16.7
15	15	3.4	3.0	20.7	24.8
21	21	5.0	4.2	28.2	35.2

	1922	B-7	A	1958
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Plot B-7

Red pine and Osageorange

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>R.P.</u>	<u>O.O.</u>	<u>R.P.</u>	<u>O.O.</u>	<u>R.P.</u>	<u>O.O.</u>
11	11	1.0	2.0	8.1	15.2
15	15	2.8	2.9	15.5	20.4
21	21	4.7	4.5	25.0	29.1

	1952	C-4, L-1, L-2, L-3	A	1958
	1918	D-30	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot D-30</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	3.1	16.4		
19	4.8	30.2		
25	5.5	36.1		

1917 E-1 A 1958

<u>Plot E-1</u>				
Red pine and white pine				
<u>Age</u>	<u>D.B.H.</u>		<u>Ht.</u>	
<u>R.P.</u>	<u>W.P.</u>	<u>R.P.</u>	<u>W.P.</u>	<u>R.P.</u>
9	9	2.6	2.0	13.7
15	15	4.7	4.1	24.7
20	20	5.2	5.1	31.5
27	27	6.0	6.8	38.2
40	40	8.7	10.9	56.5

1912 E-13 A 1958

<u>Plot E-13</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
14	4.2	21.9
19	4.8	28.4
24	5.5	34.0
30	6.4	41.1
41	7.2	53.0

1912 E-14 A 1958
1914 G-7 A 1958

<u>Plot G-7</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	2.8	14.7
17	3.7	21.7
22	4.4	27.3
30	4.9	39.4
43	7.9	54.7

1914 G-9 A 1958

<u>Plot G-9</u>				
Red pine and Ponderosa pine				
<u>Age</u>	<u>D.B.H.</u>		<u>Ht.</u>	
<u>R.P.</u>	<u>P.P.</u>	<u>R.P.</u>	<u>P.P.</u>	<u>R.P.</u>
11	11	1.4	3.0	13.4
17	17	2.2	4.2	20.4
22	22	2.8	5.0	25.4

1912 J-16 A 1958

<u>Plot J-16</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
13	2.6	18.5
15	2.9	20.8
20	3.8	27.9
24	4.2	31.3

1911 J-25, K-26 A 1958
1949 L-10 A 1958
1951 L-12, L-13 A 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
	1953	M-4	A	1958
Pinus rigida	1911	C-3, K-17	A	1958
Pitch pine	1907	C-4	A	1958

Plot C-4

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
21	5.6	27.4
33	7.4	40.6

	1956	H-5	A	1958
Pinus sabiniana	1930		F4	1939
Digger pine				
Pinus strobus	1930	A-5	A	1958
Eastern white pine		A-7	V	1958
	1917	A-17	A	1958

Plot A-17

White pine and Scotch pine

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>W.P.</u>	<u>S.P.</u>	<u>W.P.</u>	<u>S.P.</u>	<u>W.P.</u>	<u>S.P.</u>
11	11	3.2	4.2	19.6	20.2
16	16	4.4	5.1	29.2	29.2
20	20	4.9	5.7	32.6	32.9
32	32	7.3	8.3	-	-
40	40	10.9	11.0	49.8	52.6

1956	B-6, B-4	A	1958
1922	B-7	A	1958

Plot B-7

White pine and red oak

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>W.P.</u>	<u>R.O.</u>	<u>W.P.</u>	<u>R.O.</u>	<u>W.P.</u>	<u>R.O.</u>
11	11	1.9	2.5	14.0	19.3
15	15	3.2	3.6	22.2	27.9
21	21	4.3	5.0	27.9	37.7

1907, 1947	C-4	A	1958
1954	D-11	A	1958
1909	D-13	A	1958
1918	D-30	A	1958

Plot D-30

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.1	15.7
19	3.9	26.8
25	4.4	31.1

1917	E-1	A	1958
1916	E-3	A	1958

PlantedLocationStatusYearPlot E-3

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	3.3	20.4
16	4.6	28.8
21	6.0	37.4
28	7.8	46.4
37	8.5	54.0
41	9.5	61.6

1912
1919
1914

E-11
E-50
F-22

A
A
A

1958
1958
1958

Plot F-22

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	3.1	17.2
14	3.8	21.5
19	5.5	30.2
22	6.2	34.1
30	7.8	43.8
43	11.2	70.3

1914

G-4

A

1958

Plot G-4

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	1.6	10.6
14	3.6	22.6
18	4.7	28.7
23	5.6	34.2
30	7.0	43.2
38	8.1	-

1914

G-6

A

1958

Plot G-6

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.1	14.2
13	3.1	21.6
18	4.5	28.7
23	5.3	34.7
30	6.9	43.7
43	10.8	72.8

1914-17
1914
1912

G-13
J-2
J-4

A
A
A

1958
1958
1958

Plot J-4

White pine and Norway spruce

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>W.P.</u>	<u>N.S.</u>	<u>W.P.</u>	<u>N.S.</u>	<u>W.P.</u>	<u>N.S.</u>
13	13	3.8	2.6	21.3	18.5
19	19	5.4	3.2	32.7	25.1
24	24	6.5	4.1	43.0	31.0

1912

J-5

A

1958

Plot J-5

White pine and Eastern arborvitae

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>W.P.</u>	<u>E.A.</u>	<u>W.P.</u>	<u>E.A.</u>	<u>W.P.</u>	<u>E.A.</u>
13	13	4.4	2.4	24.9	16.7

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
	1952	J-15	A	1958
	1913	K-2	A	1958
Pinus sylvestris	1930	A-5	A	1958
Scotch pine	1915	A-7	A	1958
	1917-19	A-17	A	1958
	1928, 1951	C-11	A	1958
	1918	D-30	A	1958

Plot D-30

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	3.8	20.2
19	5.9	36.3
25	7.7	45.0

1914	G-5	A	1958
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Plot G-5

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	2.0	16.7
13	2.9	23.9
18	3.9	33.6
23	4.8	42.3
43	10.8	68.6

1917	G-10	A	1958
1912	J-10	A	1958

Plot J-10

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
13	3.3	23.8
20	5.0	37.0
24	5.8	39.7

	1911	J-28, K-28	A	1958
	1912	J-39	A	1958
	1949	L-10	A	1958

Pinus sylvestris Booneville	1955	H-5	A	1958
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Pinus sylvestris Eccles Polish	1955	H-5	A	1958
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Pinus sylvestris engadinensis Alpine	1955-56	H-5	A	1958
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Pinus sylvestris engadinensis Austrian	1955	H-5	A	1958
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Pinus sylvestris French	1955	H-5	A	1958
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Pinus sylvestris German	1931	A-25	A	1958
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Plot A-25

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
8	3.0	16.5
18	6.3	42.7
26	9.3	55.9

Pinus sylvestris Hamatra	1930	H-11	A	1958
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Pinus sylvestris lapponica Lapland Scotch pine	1931	A-24	A	1958
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	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot A-21</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	1.7	10.0		
18	4.1	26.7		
26	5.8	37.1		

Pinus sylvestris Matthews	1956	H-5	A	1958
Pinus sylvestris Musser	1955	H-5	A	1958
Pinus sylvestris Nelson's King	1955	H-5	A	1958
Pinus sylvestris Nodewell	1955	H-5	A	1958
Pinus sylvestris Nyebranch	1956 1955	A-9, B-4 H-5	A A	1958 1958
Pinus sylvestris Pine Hill	1955	H-5	A	1958
Pinus sylvestris Puffer	1955	H-5	A	1958
Pinus sylvestris rigensis Riga Scotch pine	1933	A-23	A	1958

<u>Plot A-23</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
6	2.2	17.1		
16	2.6	41.7		
24	8.2	55.1		
	1956 1927	B-4 E-49	A A	1958 1958

<u>Plot E-49</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
5	1.5	9.1		
17	4.7	31.3		
	1955, 1956	H-5	A	1958
Pinus sylvestris scotica Highland Scotch pine	1955	H-5	A	1958
Pinus sylvestris Spanish "A"	1956	H-5	A	1958
Pinus sylvestris Spanish "B"	1956	H-5	A	1958
Pinus sylvestris Suncrest	1955	H-5	A	1958
Pinus sylvestris Van's Green	1955	H-5	A	1958
Pinus tabulaeformis Chinese pine	1928	A-29	A	1958
Pinus taeda Loblolly pine	1917	G-16	A	1958

			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot G-16</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
9	3.1	19.2				
15	4.0	28.0				
20	5.0	36.5				
40	9.0	53.6				
Pinus thunbergii			1928	A-29, C-1	A	1958
Japanese black pine			1907	C-1	A	1958
			1914	G-18	A	1958
<u>Plot G-18</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	2.8	11.6				
21	4.4	27.4				
Pinus torreyana			1932		FN	1933
Torrey pine						
Pinus virginiana			1922	A-29	A	1958
Virginia pine						
Pinus yunnanensis			1932		FN	1933
Yunnan pine						
Pistacia chinensis			1921		FN	1922
Chinese pistache						
Platanus acerifolia			1918	D-28	A	1958
London planetree						
<u>Plot D-28</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
10	2.3	27.7				
15	3.0	30.5				
20	4.8	34.9				
25	5.4	41.6				
Platanus occidentalis				M-10	V	1958
American sycamore						
Populus alba			1919		F ₃	1949
White poplar						
Populus canadensis eugenei			1916	E-16	F ₃	1949
Carolina poplar						
<u>Plot E-16</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
11	5.1	42.1				
15	5.8	51.1				
21	6.2	64.6				
26	10.6	58.1				
Populus canadensis regenerata			1911		F ₃	1950
Early Carolina poplar						
Populus candicans			1953	M-5	A	1958
Balm-of-Gilead poplar						
Populus deltoides missouriensis			1915		F ₃	1949
Southern poplar						

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Populus deltoides virginiana Northern poplar	1916		F ₃	1950
Populus generosa McKee McKee hybrid poplar	1949	A-4	A	1958
<u>Plot A-4</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
4	2.5	22.0		
5	3.0	28.0		
8	4.5	37.0		
	1947	L-11	A	1958
<u>Plot L-11</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
6	3.1	26.0		
7	3.7	28.0		
10	5.0	34.0		
	1950	M-1	A	1958
<u>Plot M-1</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
3	-	6.1		
4	-	11.5		
5	-	15.7		
6	2.4	20.9		
7	3.1	23.2		
Populus grandidentata Blgtooth aspen	1920	E-15	F ₃	1949
<u>Plot E-15</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	1.7	17.3		
13	2.5	25.6		
18	3.6	31.8		
24	4.7	40.1		
Populus maximowiczii Japanese poplar	1932	A-16	F ₃	1955
<u>Plot A-16</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
6	2.5	20.7		
Populus nigra italica Lombardy poplar	1916	E-17	F ₃	1950
<u>Plot E-17</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	4.7	37.6		
15	5.4	44.9		
Populus nigra plantierensis	1915		F ₃	1949
Populus rasumowskyana Razoumofsky poplar	1928	A-16	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Populus simoni Simon poplar	1920		F ₃	1932
Populus simoni fastigiata Pyramidal Simon poplar	1923		FN	1923
Populus suaveolens Mongolian poplar	1922	B-25	F ₃	1947

Plot B-25

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
6	2.1	22.4
10	3.8	32.7
16	5.2	38.4
21	6.2	43.8

Populus tacamahaca Tacamahac poplar	1916		F ₃	1949
Populus tremula European aspen	1930		FN	1933
Populus tremuloides Quaking aspen	1922	B-26	F ₃	1947

Plot B-26

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
6	2.0	25.1
10	2.7	31.4
16	3.4	34.4
21	4.2	35.6

Prinsepia utilis Himalayan Prinsepia	1923		FN	1924
Prunus avium Mazzard cherry		D-13	V	1958
Prunus laurocerasus Common laurelcherry	1932		FN	1934
Prunus mahaleb Mahaleb cherry	1930	G-19	A	1958
Prunus mandshurica Manchurian apricot	1930		FN	1931
Prunus mume Japanese apricot	1932	G-19	A	1958
Prunus sargentii Sargent cherry	1933	G-19	A	1958
Prunus serotina Black cherry	1916	E-7	A	1958

Plot E-7

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
12	1.8	14.1
16	2.3	16.8
22	3.1	23.6
27	3.5	31.2
41	8.2	53.9

<u>Planted</u>						<u>Location</u>	<u>Status</u>	<u>Year</u>
Black cherry and Canada hemlock								
<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>B.C.</u>	<u>C.H.</u>	<u>B.C.</u>	<u>C.H.</u>	<u>B.C.</u>	<u>C.H.</u>			
12	-	1.9	-	14.6	-			
16	13	2.7	1.4	21.6	12.5			
22	19	5.8	2.1	30.9	12.4			
27	24	4.8	2.3	38.9	17.4			
Prunus serrulata Kiku-zakura						1940	G-19	A 1958
Prunus serrulata lannesiana						1931	G-19	A 1958
Prunus sibirica Siberian apricot						1931		FN 1932
Prunus subhirtella autumnalis Autumn Higan cherry						1933	G-19	A 1958
Prunus subhirtella pendula Weeping Higan cherry						1930	A-2	A 1958
Prunus tomentosa Manchu cherry						1923		F ₅ 1930
Prunus virginiana Common chokecherry							J, K-3	V 1958
Prunus virginiana melanocarpa Black common chokecherry						1940	G-19	A 1958
Prunus yedoensis Yoshino cherry						1933	G-19	A 1958
Pseudolarix amabilis Lovely goldenlarch						1909	J-7	A 1958
Pseudotsuga taxifolia Common Douglasfir						1916 1920	A-18 A-28	A A 1958 1958

Plot A-28

Douglasfir and Fraser balsam fir

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>				
<u>D.F.</u>	<u>F.F.</u>	<u>D.F.</u>	<u>F.F.</u>	<u>D.F.</u>	<u>F.F.</u>			
12	12	2.9	2.3	15.9	13.7			
17	17	4.4	2.8	24.2	18.0			
18	18	4.6	2.9	25.9	19.2			
						Fraser balsam fir suppressed and dead by 1947		
						1956	B-4	A 1958
						1915	D-16	F ₁ 1955

Plot D-16

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>						
11	2.0	12.9						
17	3.6	21.0						
22	4.5	27.3						
28	5.6	34.3						
39	7.1	47.0						
			1915	F-4	F ₁	1948		

		<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot F-4</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
11	2.0	11.1			
17	3.5	19.5			
21	4.1	24.4			
29	5.4	35.5			
Pseudotsuga taxifolia Eccles		1955	H-5	A	1958
Pseudotsuga taxifolia glauca		1915	D-16	F ₁	1955
Blue common Douglasfir		1909-1913	D-35	A	1958
<u>Plot D-35</u>					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
15	2.8	17.4			
22	3.7	29.0			
26	5.2	31.0			
33	6.7	39.8			
46	8.8	57.6			
		1915	E-54, K-28	A	1958
		1919	E-50	A	1958
<u>Plot E-50</u>					
Douglasfir and white pine					
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>			
<u>D.F.</u>	<u>W.P.</u>	<u>D.F.</u>	<u>W.P.</u>	<u>D.F.</u>	<u>W.P.</u>
9	9	0.9	2.3	8.2	13.9
12	12	1.6	4.2	13.7	21.9
18	18	2.9	5.8	21.0	29.4
25	25	3.7	8.6	27.1	44.7
Pseudotsuga taxifolia Puffer		1955	H-5	A	1958
Pseudotsuga taxifolia Suncrest		1955	H-5	A	1958
Pseudotsuga taxifolia viridis		1915	D-16	F ₁	1955
Green common Douglasfir					
Ptelea trifoliata			E-14, L-4	V	1958
Common hoptree					
Pterocarya fraxinifolia		1928	H-1	A	1958
Caucasian wingnut					
Pyracantha angustifolia		1926		FN	1926
Narrowleaf firethorn					
Pyracantha coccinea		1924	A-1	A	1958
Scarlet firethorn					
Pyracantha coccinea lalandi		1956	A-1	A	1958
Laland firethorn					
Pyracantha crenato-serrata		1924		FN	1924
Chinese firethorn					
Pyracantha crenulata kansuensis		1929		FN	1930
Kansu firethorn					
Pyracantha crenulata rogersiana		1930		FN	1930
Rogers firethorn					

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<i>Quercus acutissima</i> Sawtooth oak	1954	E-27	A	1958

<i>Quercus alba</i> White oak	1914	B-18	A	1958
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Plot B-18

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
14	1.9	15.7
18	2.7	22.6
24	4.2	30.4
29	4.8	36.9
40	7.3	51.0

	1917	D-25	A	1958
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Plot D-25

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.6	14.7
15	4.0	20.5
21	5.3	30.5
26	5.8	36.9

	1917	E-28	A	1958
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Plot E-28

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.0	14.1
15	2.7	18.3
21	3.4	24.4
26	4.0	28.8
40	8.6	45.6

	1913	E-39	A	1958
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Plot E-39

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
19	3.7	27.3
25	4.6	32.9
30	5.3	39.0

	1917	K-6	A	1958
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Plot K-6

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
15	2.7	21.7
22	3.8	31.5

<i>Quercus aliena acuteserrata</i> Oriental white oak	1932	B-8	A	1958
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<i>Quercus bebbiana</i> Bebb oak	1916	K-21	A	1958
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<i>Quercus bicolor</i> Swamp white oak	1913	B-18	A	1958
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		<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot B-18</u>					
<u>Age</u>	<u>D.B.H.</u>				
15	3.4				
20	4.2				
25	4.6				
30	5.2				
41	6.8				
		1930	D-15	A	1958
<u>Plot D-15</u>					
<u>Age</u>	<u>D.B.H.</u>				
8	0.9				
14	2.6				
		1916	D-23	A	1958
<u>Plot D-23</u>					
<u>Age</u>	<u>D.B.H.</u>				
12	2.9				
16	3.6				
22	4.5				
27	5.3				
38	7.0				
41	8.6				
		1917	D-25	A	1958
<u>Plot D-25</u>					
<u>Age</u>	<u>D.B.H.</u>				
11	1.9				
15	2.7				
21	3.7				
26	5.0				
		1951	M-7	A	1958
<i>Quercus borealis</i>					
Northern red oak					
		1957	H	A	1958
<i>Quercus borealis maxima</i>					
Eastern red oak					
		1915	A-3, A-5, A-8, A-8	A	1958
<u>Plot A-8</u>					
<u>Age</u>	<u>D.B.H.</u>				
42	7.3				
		1922	B-6, B-7	A	1958
<u>Plot B-7</u>					
Red oak and tuliptree					
<u>Age</u>	<u>D.B.H.</u>				
<u>R.O.</u>	<u>T.</u>	<u>R.O.</u>	<u>T.</u>	<u>R.O.</u>	<u>T.</u>
11	11	1.9	2.0	17.4	18.0
15	15	2.9	2.8	26.3	25.4
21	21	3.9	4.1	35.1	35.3
		1915	B-23	A	1958

			<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot B-23</u>						
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
13	3.3	26.6				
18	4.1	28.6				
23	5.0	38.3				
			1915	D-31	A	1958
			1918	E-2	A	1958
			1919	E-21	A	1958

Plot E-21

Red oak and black locust

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>		
<u>R.O.</u>	<u>B.L.</u>	<u>R.O.</u>	<u>B.L.</u>	<u>R.O.</u>	<u>B.L.</u>	
9	9	0.9	4.2	9.7	26.1	
19	19	2.2	7.2	20.7	44.3	Locust removed in 1938 and cut into posts
24	-	3.7	-	26.6	-	

1916 E-29 A 1958

Plot E-29

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
12	2.6	21.8				
16	3.3	26.6				
22	4.1	31.4				
27	5.0	32.5				
41	8.9	57.2				
			1913	K-12	A	1958
Quercus cerris						
European turkey oak			1928		FN	1929
Quercus coccinea						
Scarlet oak			1916	E-30, E-31	A	1958

Plot E-31

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
12	2.7	23.3				
16	3.3	30.0				
22	4.4	38.1				
27	5.0	43.2				
41	9.3	57.8				
Quercus deamii						
Deam oak			1932	B-8	A	1958
Quercus ilicifolia						
Scrub oak			1917	E-26	F5	1940

Plot E-26

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>				
21	1.2	10.8				
26	1.5	12.9				
			1957	H	A	1958
Quercus imbricaria						
Shingle oak			1920	D-22	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot D-22</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
8	1.2	11.0		
12	2.0	16.7		
16	3.1	26.8		
22	3.7	31.4		

Quercus kelloggii California black oak	1957	H	A	1958
Quercus lobata California white oak	1957	H	A	1958
Quercus lyrata Overcup oak	1922	B-29	A	1958

<u>Plot B-29</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	1.6	12.3
16	2.0	20.0
21	2.3	21.7
33	5.4	32.2

Quercus macrocarpa Bur oak	1917	D-25	A	1958
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<u>Plot D-25</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
11	2.0	12.8
15	2.6	15.7
21	3.2	23.2
26	4.5	29.8

	1909	E-40	A	1958
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<u>Plot E-40</u>					
Bur oak and eastern arborvitae					
<u>Age</u>	<u>D.B.H.</u>		<u>Ht.</u>		
	<u>B.O.</u>	<u>E.A.</u>	<u>B.O.</u>	<u>E.A.</u>	
19	19	4.3	3.0	22.3	17.9
23	23	5.1	3.1	26.4	19.0
29	29	6.1	3.2	30.7	19.1
33	33	7.0	3.3	39.2	20.3
48	-	10.3	-	55.8	-

Arborvitae suppressed by 1947, removed 1949

Quercus marilandica Blackjack oak	1924	B-10	A	1958
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<u>Plot B-10</u>		
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
33	7.1	42.7

Quercus mongolica Mongolian oak	1933	B-9	A	1958
Quercus mongolica grosseserrata Shallowcup Mongolian oak	1930	B-10	A	1958
Quercus montana Chestnut oak	1917	E-24	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-24</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	2.3	18.7		
15	3.0	24.8		
21	3.9	31.9		
26	4.2	32.7		
40	8.0	47.3		
Quercus muhlenbergi Chinkapin oak	1930	B-9	A	1958
<u>Plot B-9</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
13	1.2	12.6		
Quercus nuttallii Nuttall oak	1957	H	A	1958
Quercus palustris Pin oak	1917	D-24	A	1958
<u>Plot D-24</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	3.0	21.6		
15	4.1	31.1		
21	4.8	38.0		
26	5.9	47.5		
37	7.8	59.0		
40	9.2	64.8		
Quercus petraea Durmast oak	1932		FN	1932
Quercus phellos Willow oak	1926	B-11	A	1958
<u>Plot B-11</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
12	2.1	16.7		
17	2.6	19.6		
31	5.6	40.1		
Quercus prinoides Dwarf chinkapin oak	1957	H	A	1958
Quercus prinus Swamp chestnut oak	1919	E-22	A	1958
<u>Plot E-22</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
14	1.6	14.0		
21	3.1	23.2		
24	3.6	25.6		
	1917	K-21	A	1958
Quercus rehderi Rehder oak	1933		FN	1934
Quercus robur English oak	1916	E-23	F3	1953

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot E-23</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	1.7	13.0		
15	2.5	18.0		
21	3.8	26.2		
26	4.8	32.8		
Quercus schuettei	1934		FN	1934
Quercus shumardii Shumard oak	1957	H	A	1958
Quercus shumardii schneckii Schneck oak	1933	B-9	A	1958
Quercus stellata Post oak	1919	E-25	A	1958
<u>Plot E-25</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
9	1.0	7.5		
14	1.5	13.9		
19	2.8	21.2		
24	3.0	21.7		
Quercus variabilis Oriental oak	1933		FN	1934
Quercus velutina Black oak	1918	K-7	A	1958
<u>Plot K-7</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
15	2.5	22.5		
22	4.2	35.7		
		I	V	1958
Rehmannia angulata Beverlybells rehmannia	1931		FN	1932
Rhamnus japonica Japanese buckthorn	1932		FN	1932
Rhododendron arborescens Sweet azalea	1921	A-2	A	1958
Rhododendron catawbiense Catawba rhododendron	1921	A-2	A	1958
Rhododendron dauricum Dahurian rhododendron	1925		FN	1926
Rhododendron delavayi Abbe Delavay rhododendron	1926		FN	1927
Rhododendron luteum Pontic azalea	1921	A-2	A	1958
Rhododendron maximum Rosebay rhododendron	1921 1917	A-2 J-9, K-4, K-5	A A	1958 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Rhododendron mucronulatum Korean rhododendron	1930		FN	1931
Rhododendron schlippenbachii Royal azalea	1927		FN	1928
Rhodotypos scandens Black Jetbead		A-11	V	1958
Rhus aromatica Fragrant sumac	1942	G-19	A	1958
Rhus chinensis Chinese sumac	1930		FN	1932
Rhus glabra Smooth sumac	1956	G-19 K	A V	1958 1958
Rhus typhina Staghorn sumac	1956	G-19 E-13, G-3	A V	1958 1958
Ribes alpinum Alpine currant	1956	A-2	A	1958
Robinia ambigua	1942		R	1950
Robinia hispida macrophylla Smooth Roseacacia locust	1930		F ₄	1936
Robinia pseudoacacia Black locust	1950	L-9	A	1958
Robinia pseudoacacia bullata	1942		R	1950
Robinia pseudoacacia coluteoides	1942		R	1950
Robinia pseudoacacia dependens	1942		R	1950
Robinia pseudoacacia higbei Higbe black locust	1939	E-17	A	1958
Robinia pseudoacacia inermis Thornless black locust	1929		FN	1933
Robinia pseudoacacia macrophylla Bigleaf black locust	1942		R	1950
Robinia pseudoacacia microphylla Littleleaf black locust	1942		R	1950
Robinia pseudoacacia pendula Weeping black locust	1942		R	1950
Robinia pseudoacacia purpurea Purpleleaf black locust	1942		R	1950
Robinia pseudoacacia pyramidalis Pyramid black locust	1942		R	1950
Robinia pseudoacacia rectissima Shipmast black locust	1937	E-19	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Robinia pseudoacacia semperflorens Perpetual black locust			R	1950
Robinia pseudoacacia snaveyi Snaveyi black locust	1949	L-9	A	1958
Robinia pseudoacacia tortuosa Twisted black locust	1942		R	1950
Robinia pseudoacacia unbraculifera Umbrella black locust	1942		R	1950
Robinia pseudoacacia unifoliola Oneleaf black locust	1942		R	1950
Robinia viscosa Clammy locust	1929		FN	1930
Rosa carolina Carolina rose		I, K	V	1958
Rosa multiflora Japanese rose	1949	L-4, L-13, L-14	A	1958
Rosa spinosissima Scotch rose	1920	A-1	A	1958
Rubus allegheniensis Alleghany blackberry		K	V	1958
Rubus flagellaris Northern dewberry		I	V	1958
Rubus occidentalis Blackcap raspberry		G-3, J	V	1958
Salix babylonica crispa Ringleaf Babylon weeping willow	1933		FN	1934
Salix discolor Pussy willow	1930		F4	1933
Salix matsudana Hankow willow	1930	C-1	A	1958
Salix matsudana unbraculifera Umbrella Hankow willow	1935	M-5	A	1958
Salix matsudana tortuosa Contorted Hankow willow	1933		F4	1940
Salix multinervis Japanese pussy willow	1925		F5	1930
Salix pentandra Laurel willow	1911	K-3	A	1958
Salix purpurea Purpleosier willow	1917		R	1929
Salix sepulcralis Solomon weeping willow	1929		F4	1933

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Sambucus canadensis American elder		B-21, G-3, K	V	1958
Sapindus drumondii Western soapberry	1932		FN	1933
Sassafras albidum molle Silky sassafras	1916	B-28	A	1958
<u>Plot B-28</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
22	3.1	23.2		
27	3.9	27.7		
41	7.8	48.0		
	1930	G-19	A	1958
Schisandra chinensis Chinese magnoliavine	1929		F5	1940
Sciadopitys verticillata Umbrellapine	1917		F5	1940
Securinega suffruticosa	1933		FN	1933
Sequoia gigantea Giant Sequoia	1950	E-56, G-30	A	1958
Shepherdia argentea Silver buffaloberry	1955	K-26	A	1958
Smilax glauca Cat greenbrier		I, K	V	1958
Smilax hispida Bristly greenbrier		A-29, G-6	V	1958
Smilax rotundifolia Common greenbrier		I, K	V	1958
Solanum dulcamara Bitter nightshade		I, K	V	1958
Sophora secundiflora Mescalbean sophora	1933		FN	1933
Sophora vicifolia Vetchleaf sophora	1926		FN	1927
Sorbaria sorbifolia stellipila Starry Ural falsespirea	1927		R	1940
Sorbus alnifolia Densehead mountainash	1932		FN	1933
Sorbus americana American mountainash		G-19	A	1958
Sorbus amurensis Amur mountainash	1930		FN	1931
Sorbus aucuparia European mountainash	1917 1955	C-6 G-19	A A	1958 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Sorbus commixta Korean mountainash	1915		Fl.	1936
Spiraea bumalda Fröebel	1932		R	1945
Spiraea chamaedryfolia Germander spirea	1929		R	1945
Spiraea micrantha	1934		FN	1934
Spiraea nipponica Nippon spirea	1932		FN	1933
Spiraea salicifolia Willowleaf spirea	1929		R	1945
Spiraea trichocarpa Korean spirea	1931		R	1945
Staphylea trifolia American bladdernut		J-35, K-19	V	1958
Stewartia pseudocamellia Japanese Stewartia	1933		FN	1934
Stranvaesia davidiana Chinese Stranvaesia	1926		Fl.	1930
Symphoricarpos chenaulti Chenault coralberry	1931 1951	A-1	R A	1945 1958
Syringa amurensis Amur lilac	1925		R	1945
Syringa meyeri Meyer lilac	1936		FN	1936
Syringa oblata dilatata Korean early lilac	1928		R	1945
Syringa pekinensis Pekin lilac	1940	J-7	A	1958
Syringa tomentella Feltz lilac	1935	J-7	A	1958
Syringa vulgaris Common lilac	1929		R	1940
Syringa yunnanensis Yunnan lilac	1936	J-7	A	1958
Taxodium ascendens Pond baldcypress	1922	B-7	A	1958

Plot B-7

Pond baldcypress and Osageorange

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>P.B.</u>	<u>O.</u>	<u>P.B.</u>	<u>O.</u>	<u>P.B.</u>	<u>O.</u>
11	11	0.8	1.7	8.6	14.3
15	15	1.2	2.5	12.1	19.1
21	21	1.9	3.7	17.3	28.8

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
	1916	E-36	A	1958
<u>Plot E-36</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
41	5.9	33.6		
	1954	F-23, M-3	A	1958
Taxodium distichum Common baldcypress	1913	A-11	A	1958
<u>Plot A-11</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
13	3.8	20.8		
20	6.1	38.2		
36	9.7	57.5		
	1930	D-15	A	1958
	1952	F-4	A	1958
	1956	J-14	A	1958
	1911	J-41, K-28	A	1958
	1914	K-1	A	1958
<u>Plot K-1</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
18	4.9	28.6		
23	5.9	33.3		
30	6.9	40.4		
Taxus baccata adpressa Shortleaf English yew	1942	A-30	A	1958
Taxus baccata adpressa erecta Shortleaf broom English yew	1954	A-30	A	1958
Taxus baccata aurea Golden English yew	1928 1932 1942 1954	B-1 B-1 A-30 A-30	A A A A	1958 1958 1958 1958
Taxus baccata compacta Compact English yew	1942	A-30	A	1958
Taxus baccata Dovaston Dovaston English yew	1942	A-30	A	1958
Taxus baccata erecta Broom English yew	1942	A-30	A	1958
Taxus baccata expansa Roundtop English yew	1942	A-30	A	1958
Taxus baccata glauca Blue English yew	1942	A-30	A	1958
Taxus baccata michelli Michel English yew	1942	A-30	A	1958
Taxus baccata nigra Black English yew	1942	A-30	A	1958
Taxus baccata overynderi Overynder English yew	1942	A-30	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Taxus baccata repandens	1942	A-30	A	1958
Spreading English yew	1917	B-1	A	1958
	1951	B-1	A	1958
Taxus canadensis	1942	A-10	A	1958
Canada yew	1917	J-9, J-37	A	1958
Taxus canadensis globosa				
Globe Canada yew	1942	A-30	A	1958
Taxus canadensis stricta				
Dwarf hedge Japanese yew	1942	A-10	A	1958
Taxus cuspidata	1918	A-1	A	1958
Japanese yew	1951	F-1, F-2, J-11, J-12	A	1958
	1921	J-30	A	1958
	1917	J-37	A	1958
Taxus cuspidata 'Adams'		A-30	A	1958
Adams Japanese yew	1942	A-10	A	1958
Taxus cuspidata 'Aristocrat'	1958	A-30	A	1958
Taxus cuspidata aurescens				
Toldtip Japanese yew	1942	A-30	A	1958
Taxus cuspidata 'Bobbink'				
Bobbink Japanese yew	1942	A-30	A	1958
Taxus cuspidata capitata	1943	A-2	A	1958
Upright Japanese yew	1942	A-30	A	1958
	1916	K-8	A	1958
Taxus cuspidata densa				
Cushion Japanese yew	1942	A-30	A	1958
Taxus cuspidata expansa	1951	A-1	A	1958
Spreading Japanese yew	1942	A-30	A	1958
Taxus cuspidata 'Hiti'				
Hits Japanese yew	1942	A-30	A	1958
Taxus cuspidata intermedia	1942	A-10	A	1958
Halfhigh Japanese yew	1913	A-10	A	1958
	1943	A-30	A	1958
Taxus cuspidata nana	1942	A-30	A	1958
Dwarf Japanese yew	1926	B-1	A	1958
	1917	C-1, C-3	A	1958
Taxus cuspidata nigra				
Black Japanese yew	1958	A-30	A	1958
Taxus cuspidata prostrata				
Prostrate Japanese yew	1942	A-30	A	1958
Taxus cuspidata robusta	1942	A-30	A	1958
Taxus cuspidata 'Thayer'	1942	A-10	A	1958
Thayer Japanese yew	1932	B-1	A	1958
Taxus hunnewelliana	1942	A-10	A	1958
Hunnewell yew	1931	B-1	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Taxus media Anglojap yew	1943	A-30	A	1958
Taxus media "#8"	1942	A-10	A	1958
Taxus media "#18"	1942	A-30	A	1958
Taxus media 'Amherst' Amherst Anglojap yew	1951	A-10	A	1958
Taxus media 'Andorra' Andorra Anglojap yew	1942	A-30	A	1958
Taxus media 'Berryhill' Berryhill Anglojap yew	1953	A-10	A	1958
Taxus media brevicata	1942	A-10	A	1958
Taxus media 'Brown' Brown Anglojap yew	1942 1943	A-10 A-30	A A	1958 1958
Taxus media 'Brownhelm' Brownhelm Anglojap yew	1951	A-10	A	1958
Taxus media 'Cole' Cole Anglojap yew	1942	A-30	A	1958
Taxus media 'Cole A'	1954	A-30	A	1958
Taxus media 'Cole B'	1954	A-30	A	1958
Taxus media compacta Compact Anglojap yew	1942	A-10	A	1958
Taxus media 'Costich' Costich Anglojap yew	1958	A-30	A	1958
Taxus media densiformis	1958	A-10	A	1958
Taxus media 'Drulia' Drulia Anglojap yew	1953	A-10	A	1958
Taxus media 'Dutweiler' Dutweiler Anglojap yew	1942	A-10	A	1958
Taxus media fastigiata	1951	A-10	A	1958
Taxus media 'Flemer' Flemer Anglojap yew	1942	A-30	A	1958
Taxus media 'Green Mountain' Green Mountain Anglojap yew	1956	A-10	A	1958
Taxus media 'Halloran' Halloran Anglojap yew	1942	A-30	A	1958
Taxus media 'Hatfield' Hatfield Anglojap yew	1951 1942 1951	A-2 A-10 B-1	A A A	1958 1958 1958
Taxus media 'Hatfield #6'	1942	A-10	A	1958
Taxus media 'Hatfield #23'	1942	A-30	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Taxus media 'Henry' Henry AngloJap yew	1954	A-10	A	1958
Taxus media 'Hicks' Hicks AngloJap yew	1942	A-30	A	1958
Taxus media 'Hill' Hill AngloJap yew	1942	A-30	A	1958
Taxus media 'Kelsey' Kelsey AngloJap yew	1942	A-30	A	1958
Taxus media 'Mitiska #5'	1951	A-10	A	1958
Taxus media 'Mitiska #6'	1953	A-10	A	1958
Taxus media 'Mitiska #7'	1953	A-10	A	1958
Taxus media 'Moon' Moon AngloJap yew	1942	A-10	A	1958
Taxus media 'Natorp' Natorp AngloJap yew	1954	A-30	A	1958
Taxus media 'Newport' Newport AngloJap yew	1954	A-10	A	1958
Taxus media (Prostrate) Prostrate AngloJap yew	1951	A-10	A	1958
Taxus media 'Sebian' Sebian AngloJap yew	1942	A-30	A	1958
Taxus media 'Stoveken' Stoveken AngloJap yew	1942	A-30	A	1958
Taxus media 'Taunton' Taunton AngloJap yew	1943	A-30	A	1958
Taxus media 'Totem' Totem AngloJap yew	1942	A-30	A	1958
Taxus media 'Vermeulen' Vermeulen AngloJap yew	1942	A-10	A	1958
Taxus media 'Ward' Ward AngloJap yew	1942	A-10	A	1958
Taxus media 'Wilson' Wilson AngloJap yew	1953	A-30	A	1958
Thuja koraiensis Korean arborvitae	1928	B-2	A	1958
Thuja occidentalis Eastern arborvitae	1911 1929 1933 1969 1916	B-2 B-2 B-2 E-40 G-1	A A A F5 A	1958 1958 1958 1919 1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<u>Plot G-1</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	1.4	11.7		
16	2.8	17.7		
20	3.5	21.4		
28	4.8	28.2		
34	5.2	36.5		
41	7.0	41.9		
	1912	J-5, J-6	A	1958
<u>Plot J-6</u>				
13	2.9	17.6		
19	3.5	23.1		
24	4.1	25.8		
Thuja occidentalis alba				
Queen Victoria eastern arborvitae	1929	B-2	A	1958
	1930	B-2	A	1958
	1931	B-2	A	1958
	1952	B-2	A	1958
Thuja occidentalis batemanni				
Batemann eastern arborvitae	1929	B-2	A	1958
Thuja occidentalis bodmeri				
Bodmer eastern arborvitae	1946	B-2	A	1958
Thuja occidentalis boothi				
Booth globe eastern arborvitae	1952	B-2	A	1958
Thuja occidentalis buchananii				
Buchanan eastern arborvitae	1932		FN	1934
Thuja occidentalis columbiana	1924	B-2	A	1958
Silvertip eastern arborvitae	1951	B-2	A	1958
	1952	B-2	A	1958
Thuja occidentalis compacta	1931	B-2	A	1958
Parsons eastern arborvitae	1951	B-2	A	1958
Thuja occidentalis conica densa	1952	B-2	A	1958
Thuja occidentalis douglasii aurea				
Douglas golden eastern arborvitae	1916	B-2	A	1958
	1930	B-2	A	1958
	1951	B-2	A	1958
Thuja occidentalis douglasii pyramidalis				
Douglas pyramidal eastern arborvitae	1928	B-2	A	1958
	1929	B-2	A	1958
	1950	B-2	A	1958
Thuja occidentalis ellwangeriana	1951	B-2	A	1958
Ellwanger eastern arborvitae	1953	B-2	A	1958
Thuja occidentalis ellwangeriana aurea				
Rheingold eastern arborvitae	1932		FN	1934
Thuja occidentalis fastigiata	1926	B-2	A	1958
Columnar eastern arborvitae	1951	B-2	A	1958
	1952	B-2	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Thuja occidentalis filicoides Fernleaf eastern arborvitae	1924	B-2	A	1958
Thuja occidentalis gigantea Giant eastern arborvitae	1931	B-2	A	1958
Thuja occidentalis globosa Tom Thumb eastern arborvitae	1950 1924	A-1, B-2 B-2	A A	1958 1958
Thuja occidentalis globosa nova	1930 1939	B-2 B-2	A A	1958 1958
Thuja occidentalis hoveyi Hovey eastern arborvitae	1930 1952	B-2 B-2	A A	1958 1958
Thuja occidentalis lutea George Peabody eastern arborvitae	1917 1950 1952	B-2 B-2 B-2	A A A	1958 1958 1958
Thuja occidentalis lutescens Ware gold eastern arborvitae	1931 1952	B-2 B-2	A A	1958 1958
Thuja occidentalis mastersi Moss eastern arborvitae	1931 1950 1952	B-2 B-2 B-2	A A A	1958 1958 1958
Thuja occidentalis nigra Wintergreen pyramidal eastern arborvitae	1950	A-1, B-2	A	1958
Thuja occidentalis pendula Weeping eastern arborvitae	1924	B-2	A	1958
Thuja occidentalis recurva-nana	1931	B-2	A	1958
Thuja occidentalis reidi Reid eastern arborvitae	1930	B-2	A	1958
Thuja occidentalis reidi globosa Reid globe eastern arborvitae	1930 1957	B-2 B-2	A A	1958 1958
Thuja occidentalis reidi columnaris Reid columnar eastern arborvitae	1933	B-2	A	1958
Thuja occidentalis riversi Rivers eastern arborvitae	1926 1932	B-2 B-2	A A	1958 1958
Thuja occidentalis robusta Ware eastern arborvitae	1917 1931 1950 1951	B-2 C-3 B-2 B-2	A A A A	1958 1958 1958 1958
Thuja occidentalis rosenthalii Rosenthal eastern arborvitae	1924 1926 1950	B-2 B-2 B-2	A A A	1958 1958 1958
Thuja occidentalis spaethii Ohlendorf eastern arborvitae	1936	B-2	A	1958
Thuja occidentalis umbraculifera Umbrella eastern arborvitae	1930 1952	B-2 B-2	A A	1958 1958
Thuja occidentalis vervaeneana aurea Vervaene gold eastern arborvitae	1931	B-2	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Thuja occidentalis woodwardi Woodward eastern arborvitae	1951 1952	B-2 B-2	A A	1958 1958
Thuja orientalis Oriental arborvitae	1926 1917	B-2, G-3 G-30	A R	1958 1956
<u>Plot G-30</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
9	0.8	8.8		
Thuja orientalis aurea nana Berckmanns oriental arborvitae	1926 1951	B-2 B-2	A A	1958 1958
Thuja orientalis beverleyensis Beverley Hills oriental arborvitae	1931	B-2	A	1958
Thuja orientalis Bonita Bonita oriental arborvitae	1930	B-2	A	1958
Thuja orientalis conspicua Goldspire oriental arborvitae	1928	B-2	A	1958
Thuja orientalis sieboldi Siebold oriental arborvitae	1927	B-2	A	1958
Thuja orientalis texana glauca Texas Blue oriental arborvitae	1946 1952	B-2 B-2	A A	1958 1958
Thuja plicata Giant arborvitae	1920	B-2	A	1958
Thuja plicata atrovirens Darkgreen giant arborvitae	1924 1951	B-2 B-2	A A	1958 1958
Thuja plicata aurea Golden giant arborvitae	1931	B-2	A	1958
Thuja standishi Japanese arborvitae	1930 1952	B-2 B-2	A A	1958 1958
Tilia americana American linden	1913	E-9	A	1958
<u>Plot E-9</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
27 44	3.3 8.1	24.3 48.2		
	1913	K-4	A	1958
Tilia europaea European linden	1912	E-8, K-5	A	1958
Tilia mandshurica Manchurian linden	1931		FN	1952
Toona sinensis Chinese toon	1931		FN	1952
Torreya nucifera Chinese Torreya	1930		FN	1950
Toxicodendron radicans Common poisonivy		K	V	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Toxicodendron vernicifluum Japanese lacquer tree	1930		F ₅	1945
Tsuga canadensis Canada hemlock	1927	D-12, D-13, F-22 G-2, G-3, G-4, J-38	A	1958
	1929	E-4	A	1958

Plot E-4

Canada hemlock and shagbark hickory

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>C.H.</u>	<u>S.H.</u>	<u>C.H.</u>	<u>S.H.</u>	<u>C.H.</u>	<u>S.H.</u>
9	22	0.7	1.8	9.3	17.9
15	28	1.7	2.3	15.0	21.1
28	41	3.5	5.7	32.0	53.1

1919 E-46 A 1958

Plot E-46

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
7	1.3	10.3
13	3.1	19.1
17	3.6	23.6
25	5.3	33.5

1911 A-1, J-3, J-9 A 1958
1926 B-21, J-26, J-30 A 1958
1938 E-7 A 1958

Plot E-7

Canada hemlock and black cherry

<u>Age</u>		<u>D.B.H.</u>		<u>Ht.</u>	
<u>C.H.</u>	<u>B.C.</u>	<u>C.H.</u>	<u>B.C.</u>	<u>C.H.</u>	<u>B.C.</u>
-	12	-	1.9	-	14.6
13	16	1.4	2.7	12.5	21.2
19	22	2.1	3.8	15.4	30.9
24	27	2.3	4.8	17.4	38.9

1953 F-1, J-11, J-12 A 1958
1911 J-31, J-45 A 1958
K-10, K-28

Tsuga caroliniana
Carolina hemlock 1909 C-3 A 1958

Tsuga chinensis
Chinese hemlock 1932 FN 1932

Tsuga heterophylla
Pacific hemlock 1930 FN 1934

Tsuga mertensiana
Mountain hemlock 1930 FN 1931

Tsuga sieboldi
Siebold hemlock 1909 F₄ 1936

Ulmus americana
American elm 1916 D-9 A 1958

Plot D-9

<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>
10	3.1	22.9
16	4.5	33.1
22	5.5	40.2
27	6.1	44.1

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
<i>Ulmus americana</i> molini Moline American elm	1929	A-1, A-2	A	1958
<i>Ulmus fulva</i> Slippery elm	1915	D-8	A	1958
<u>Plot D-8</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
11	3.1	23.8		
17	3.7	29.1		
23	4.4	34.5		
28	4.8	37.1		
<i>Ulmus hollandica</i> Dutch elm	1917	K-21	A	1958
<i>Ulmus parvifolia</i> Chinese elm	1931		R	1958
<i>Ulmus procera</i> English elm	1916	D-7	A	1958
<u>Plot D-7</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
10	2.7	21.0		
16	4.1	30.2		
22	5.5	39.5		
41	10.7	66.6		
<i>Ulmus pumila</i> Siberian elm	1931		R	1958
<i>Ulmus thomasi</i> Rock elm	1917	D-6	A	1958
<u>Plot D-6</u>				
<u>Age</u>	<u>D.B.H.</u>	<u>Ht.</u>		
9	1.5	12.0		
15	2.0	17.3		
21	3.1	25.3		
26	3.6	27.6		
<i>Vaccinium angustifolium</i> Lowbush blueberry	1942	A-1	A	1958
<i>Vaccinium pallidum</i> Blueridge blueberry		K-25	V	1958
<i>Viburnum acerifolium</i> Mapleleaf viburnum	1931	G-6, K-15	FN V	1931 1958
<i>Viburnum burkwoodi</i> Burkwood viburnum	1955	A-2	A	1958
<i>Viburnum carlesii</i> Koreanspice viburnum	1930		FN	1930
<i>Viburnum cassinoides</i> Witherod viburnum	1932	A-1	A	1958
<i>Viburnum dentatum</i> Arrowwood viburnum		K-15	V	1958
<i>Viburnum macrocephalum</i> Chinese viburnum	1930	A-1	A	1958

	<u>Planted</u>	<u>Location</u>	<u>Status</u>	<u>Year</u>
Viburnum molle Kentucky viburnum	1931	A-1	A	1958
Viburnum opulus European cranberrybush viburnum	1928		R	1947
Viburnum opulus nanum Dwarf European viburnum	1932	A-1 A-11. F-21	A V	1958 1958
Viburnum opulus roseum Snowball European viburnum	1932		R	1947
Viburnum prunifolium Blackhaw viburnum		K-14	V	1958
Viburnum sargentii Sargent cranberrybush viburnum	1930	A-1	A	1958
Viburnum setigerum Tea viburnum	1933		R	1940
Viburnum sieboldii Siebold viburnum	1931	A-1	A	1958
Viburnum wrightii Wright viburnum	1933		R	1937
Vinca minor Common periwinkle	1942	A-2	A	1958
Vitis aestivalis Summer grape		I, K, L	V	1958
Vitis labrusca Fox grape		I, K, L	V	1958
Vitis vulpina Frost grape		I	V	1958
Weigela florida Oldfashioned weigela	1931		R	1948
Weigela florida variegata	1931	A-1	A	1958
Weigela X Groenewegeni	1926		R	1948
Zanthoxylum allanthoides Allanthus pricklyash	1932		FN	1934
Zanthoxylum piperitum Japanese pricklyash	1932		FN	1933
Zanthoxylum schinifolium Peppertree pricklyash	1933		FN	1933
Zelkova serrata Japanese zelkova	1956	A-3	A	1958
Zelkova sinica Chinese zelkova	1929		FN	1931

S U P P L E M E N T

Some 160 different kinds of woody plants grown in the forest research nursery were outplanted on other Experiment Station grounds, many of which can yet be found on the campus. They are listed, as follows:

<i>Acer buergerianum</i> Trident maple	<i>Cocculus trilobus</i> Japanese snailseed
<i>Acer cappadocicum</i> Coliseum maple	<i>Cornus foemina</i> Stiffcornel dogwood
<i>Acer saccharinum</i> wieri Wier silver maple	<i>Cotoneaster acuminata</i> Sharpleaf cotoneaster
<i>Aesculus parviflora</i> Bottlebrush buckeye	<i>Cotoneaster racemiflora</i> nummularia
<i>Alnus glutinosa</i> imperialis Royal European alder	<i>Crataegus fecunda</i> Missouri hawthorn
<i>Alnus glutinosa</i> laciniata Cutleaf European alder	<i>Crataegus foetida</i> Russet hawthorn
<i>Aralia chinensis</i> Chinese aralia	<i>Crataegus pruinosa</i> Frosted hawthorn
<i>Aronia arbutifolia</i> Red chokeberry	<i>Euonymus fortunei</i> argenteo-marginatus Silveredge wintercreeper <i>Euonymus</i>
<i>Berberis vulgaris</i> European barberry	<i>Euonymus nanus</i> Dwarf <i>Euonymus</i>
<i>Betula pubescens</i>	<i>Euonymus sieboldianus</i> Siebold <i>Euonymus</i>
<i>Caragana boiss</i> Bois peashrub	<i>Evodia danieffii</i> Korean <i>Evodia</i>
<i>Caragana microphylla</i> Littleleaf peashrub	<i>Exochorda racemosa</i> Common pearlbrush
<i>Caragana pekinensis</i> Peking peashrub	<i>Fagus sylvatica</i> atropunicea Purple European beech
<i>Celastrus loeseneri</i> Loesener bittersweet	<i>Fagus sylvatica</i> pendula Weeping European beech
<i>Chamaecyparis lawsoniana</i> bowleri Bowler Lawson falsecypress	<i>Fagus sylvatica</i> riversi Rivers European beech
<i>Chamaecyparis nootkatensis</i> Nootka falsecypress	<i>Fontanesia fortunei</i> Fortune <i>Fontanesia</i>
<i>Clematis aplifolia</i> October clematis	<i>Forsythia europaea</i> Albanian forsythia
<i>Clematis montana</i> rubens Pink anemone clematis	<i>Forsythia ovata</i> Early forsythia
<i>Clematis montana</i> undulata	<i>Forsythia suspensa</i> atrocaulis Purplestem weeping forsythia
<i>Clematis vitalba</i> Travelersjoy	<i>Forsythia viridissima</i> koreana Korean greenstem forsythia

<i>Fraxinus excelsior pendula</i> Weeping European ash	<i>Magnolia kobus</i> Kobus magnolia
<i>Fraxinus holotricha</i>	<i>Magnolia soulangeana</i> Saucer magnolia
<i>Fraxinus ornus</i> Flowering ash	<i>Magnolia soulangeana lennei</i> Lenne saucer magnolia
<i>Gleditsia japonica</i> Japanese honeylocust	<i>Mahonia japonica</i> Japanese mahonia
<i>Gleditsia sinensis</i> Chinese honeylocust	<i>Malus sieboldi arborescens</i>
<i>Gleditsia triacanthos moraine</i> Moraine honeylocust	<i>Myrica cerifera</i> Southern waxmyrtle
<i>Halimodendron halodendron</i> Siberian salttree	<i>Parthenocissus quinquefolia engelmanni</i> Engelmann Virginia creeper
<i>Hemiptelea davidi</i> David hemiptelea	<i>Philadelphus lemoinei</i> Lemoine mockorange
<i>Hypericum patulum</i> Goldcup St. Johnswort	<i>Philadelphus virginialis</i> Bouquet Blanc
<i>Ilex rotunda</i>	<i>Photinia villosa</i> Oriental photinia
<i>Juglans sinensis</i> Chinese walnut	<i>Pinus canariensis</i> Canary pine
<i>Juniperus drupacea</i> Syrian juniper	<i>Pinus cembroides monophylla</i> Singleleaf Pinyon pine
<i>Kalmia angustifolia</i> Lambkill kalmia	<i>Pinus cembroides parryana</i> Parry Pinyon pine
<i>Leucothoe catesbaei</i> Drooping leucothoe	<i>Pinus halepensis</i> Aleppo pine
<i>Ligustrum ibota</i> Ibota privet	<i>Pinus massoniana</i> Masson pine
<i>Ligustrum obtusifolium regelianum</i> Regels border privet	<i>Pinus mugo rostrata</i> Tree Swiss pine
<i>Ligustrum vulgare</i> European privet	<i>Pinus muricata</i> Bishop pine
<i>Lonicera bella</i> Belle honeysuckle	<i>Populus alba bolleana</i> Bolleana white poplar
<i>Lonicera rupprechtiana</i> Manchurian honeysuckle	<i>Populus alba nivea</i> Silver white poplar
<i>Lonicera standishi</i> Standish honeysuckle	<i>Populus nigra betulifolia</i> Birchleaf black poplar
<i>Lonicera tatarica</i> Tatarian honeysuckle	<i>Pterocarya stenoptera</i> Chinese wingnut
<i>Lonicera tenuipes</i>	<i>Pterocarya hispida</i> Fragrant epaulettetree
<i>Maackia amurensis</i> Amur maackia	<i>Quercus bushi</i> Bushes oak

<i>Quercus cinerea</i> Bluejack oak	<i>Rhododendron catawbiense</i> Cunningham
<i>Quercus dentata</i> Dalmya oak	<i>Rhododendron fortunei</i> '#1020'
<i>Quercus falcata</i> Southern red oak	<i>Rhododendron</i> X America
<i>Quercus laevis</i> Turkey oak	<i>Rhododendron</i> X Dr. (H.C.) Dresselhuys
<i>Quercus robur fastigiata</i> Pyramidal English oak	<i>Rhododendron</i> X English Roseum
<i>Quercus robur pendula</i> Weeping English oak	<i>Rhododendron</i> X E. S. Rand
<i>Rhamnus cathartica</i> Common buckthorn	<i>Rhododendron</i> X Roseum Superbum
<i>Rhamnus davurica</i> Dahurian buckthorn	<i>Robinia pseudoacacia bessoni</i> Besson black locust
<i>Rhamnus davurica nipponica</i> Nippon buckthorn	<i>Rubus odoratus</i> Fragrant thimbleberry
<i>Rhamnus utilis</i> Chinese buckthorn	<i>Salix babylonica</i> Babylon weeping willow
<i>Rhododendron carolinianum</i> Carolina rhododendron	<i>Salix blanda</i> Wisconsin weeping willow
<i>Rhododendron catawbiense album</i> White Catawba rhododendron	<i>Salix caprea</i> Goat willow
<i>Rhododendron catawbiense Album Elegans</i>	<i>Salix elegantissima</i> Thurlof weeping willow
<i>Rhododendron catawbiense Caractacus</i>	<i>Salix nigra</i> Black willow
<i>Rhododendron catawbiense Chas. Bagley</i>	<i>Sambucus canadensis atroflavula</i>
<i>Rhododendron catawbiense Chas. Dickens</i>	<i>Sambucus pubens</i> Scarlet elder
<i>Rhododendron catawbiense Everestianum</i>	<i>Sambucus racemosa</i> European red elder
<i>Rhododendron catawbiense F. D. Godman</i>	<i>Sarcococca hookeriana</i> Himalaya sarcococca
<i>Rhododendron catawbiense grandiflorum</i>	<i>Sophora japonica</i> Japanese pagodatree
<i>Rhododendron catawbiense Lees Dark Purple</i>	<i>Sophora japonica pendula</i> Weeping Japanese pagodatree
<i>Rhododendron catawbiense Mrs. Chas. Sargent</i>	<i>Sophora japonica violacea</i>
<i>Rhododendron catawbiense Parsons Grandiflorum</i>	<i>Spiraea bumalda</i> Anthony Waterer Anthony Waterer spirea
<i>Rhododendron catawbiense Purpureum Elegans</i>	<i>Spiraea dasyantha</i>
<i>Rhododendron catawbiense Roseum Elegans</i>	<i>Spiraea latifolia</i> Broadleaf meadowsweet spirea
<i>Rhododendron catawbiense Boule Deleige</i>	

Spiraea vanhouttei
Vanhoutte spiraea

Styrax japonica
Japanese snowball

Symplocos paniculata
Sapphireberry sweetleaf

Syringa amurensis japonica
Japanese tree lilac

Syringa henryi lutece
Lutece Henry lilac

Syringa prestoniae Evangeline
Evangeline Preston lilac

Syringa vulgaris Adelaide Dunbar
Adelaide Dunbar common lilac

Syringa vulgaris Ambassadeur
Ambassadeur common lilac

Syringa vulgaris Amethyst
Amethyst common lilac

Syringa vulgaris Belle De Nancy
Belle De Nancy common lilac

Syringa vulgaris Calvin C. Laney
Calvin C. Laney common lilac

Syringa vulgaris Candeur
Candeur common lilac

Syringa vulgaris Capitaine Baltet
Captain Baltet common lilac

Syringa vulgaris Christophe Colomb
Christophe Colomb common lilac

Syringa vulgaris coerulea superba
Superba common lilac

Syringa vulgaris Decalsne
Decalsne common lilac

Syringa vulgaris De Crouceis
De Crouceis common lilac

Syringa vulgaris De Louvain
De Louvain common lilac

Syringa vulgaris De Miribel
De Miribel common lilac

Syringa vulgaris Duc De Massa
Duc De Massa common lilac

Syringa vulgaris Edith Cavell
Edith Cavell common lilac

Syringa vulgaris Edmond Bossier
Edmond Bossier common lilac

Syringa vulgaris Ellen Willmott
Ellen Willmott common lilac

Syringa vulgaris Emil Liebeg
Emil Liebeg common lilac

Syringa vulgaris Etna
Etna common lilac

Syringa vulgaris Firmament
Firmament common lilac

Syringa vulgaris Fuerst Lichtenstein
Fuerst Lichtenstein common lilac

Syringa vulgaris Geheimrat Singelmann
Geheimrat Singelmann common lilac

Syringa vulgaris Gen. Elwell S. Otis
Gen. Elwell S. Otis common lilac

Syringa vulgaris Gen. Grant
Gen. Grant common lilac

Syringa vulgaris George W. Aldridge
George W. Aldridge common lilac

Syringa vulgaris Glory
Glory common lilac

Syringa vulgaris Grand Duc Constantin
Grand Duc Constantin common lilac

Syringa vulgaris Henry Clay
Henry Clay common lilac

Syringa vulgaris Hugo De Vries
Hugo De Vries common lilac

Syringa vulgaris Jean Mace
Jean Mace common lilac

Syringa vulgaris Justl
Justl common lilac

Syringa vulgaris Katherine Havemeyer
Katherine Havemeyer common lilac

Syringa vulgaris Lamarck
Lamarck common lilac

Syringa vulgaris Leon Gambetta
Leon Gambetta common lilac

Syringa vulgaris Leopold II
Leopold II common lilac

Syringa vulgaris Lucie Baltet
Lucie Baltet common lilac

Syringa vulgaris Ludwig Spaeth
Ludwig Spaeth common lilac

Syringa vulgaris Macrostachya
Macrostachya common lilac

Syringa vulgaris Marechal De Bassompierre
 Marechal De Bassompierre common lilac

Syringa vulgaris Marechal Foch
 Marechal Foch common lilac

Syringa vulgaris Marechal Lannes
 Marechal Lannes common lilac

Syringa vulgaris Maurice Barres
 Maurice Barres common lilac

Syringa vulgaris Maurice De Vilmorin
 Maurice De Vilmorin common lilac

Syringa vulgaris Mme. Antoine Buchner
 Mme. Antoine Buchner common lilac

Syringa vulgaris Mme. F. Morel
 Mme. F. Morel common lilac

Syringa vulgaris Mme. Leon Simon
 Mme. Leon Simon common lilac

Syringa vulgaris Monge
 Monge common lilac

Syringa vulgaris Night
 Night common lilac

Syringa vulgaris Oliver De Serres
 Oliver De Serres common lilac

Syringa vulgaris Paul Thirion
 Paul Thirion common lilac

Syringa vulgaris President Falliers
 President Falliers common lilac

Syringa vulgaris Professor E. Stoekhardt
 Professor E. Stoekhardt common lilac

Syringa vulgaris Priscilla
 Priscilla common lilac

Syringa vulgaris Rochambeau
 Rochambeau common lilac

Syringa vulgaris Thomas A. Edison
 Thomas A. Edison common lilac

Syringa vulgaris Violetta
 Violetta common lilac

Syringa vulgaris Waldeck Rosseau
 Waldeck Rosseau common lilac

Syringa vulgaris Weddle
 Weddle common lilac

Tamarix gallica
 French tamarisk

Tamarix gallica indica
 Indica tamarisk

Tamarix odessana
 Odessa tamarisk

Tilia dasystyla
 Caucasian linden

Tilia tomentosa
 Silver linden

Tsuga diversifolia
 Japanese hemlock

Ulmus japonica
 Japanese elm

Ulmus laevis
 Russian elm

Viburnum dentatum
 Arrowwood viburnum

Viburnum dilitatum
 Linden viburnum

Viburnum lantana
 Wayfaringtree viburnum

Viburnum prunifolium
 Blackhaw viburnum

Viburnum rhytidophyllum
 Leatherleaf viburnum

Viburnum tomentosum
 Doublefile viburnum

Viburnum tomentosum sterile
 Japanese snowball viburnum

Viburnum trilobum
 American cranberrybush viburnum

Vitex agnuscastus
 Lilac chastetree

Wistaria floribunda
 Japanese wistaria

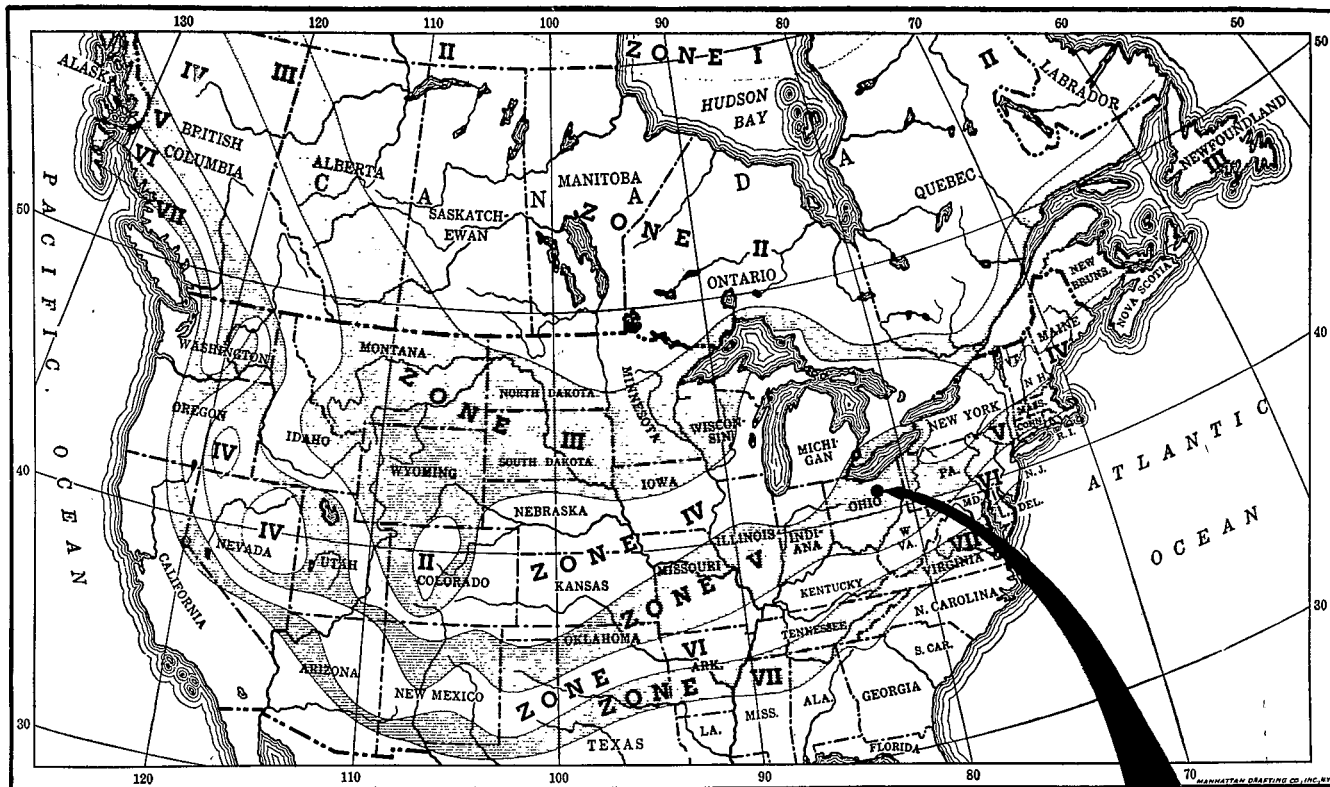
Wistaria floribunda macrobotrys
 Longcluster Japanese wistaria

Wistaria frutescens
 American wistaria

Wistaria macrostachya
 Kentucky wistaria

Wistaria sinensis
 Chinese wistaria

Yucca filimentosa
 Adamsneedle yucca



MAP OF CLIMATIC ZONES I-VII

Secret Arboretum, Wooster, Ohio

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